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Item_Type	Article
Title	ABI STUDY SEES MAJOR GLOBAL EXPANSION FOR DG
Author	
Publication_Name	Power Engineering, Jul2002, Vol. 106 Issue 7, p53, 1/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on a study which predicted an increase in global distributed generation capacity by 2011. Implications of the findings of the study; Growth rates for quality power and industrial power supply markets.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	All EPRI 2003 Research Areas (Programs)
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/targetlistall.asp
Abstract	List of All EPRI 2003 Research Areas (Programs) Key: PID = Products in Development, TR = Technical Reports, SW = Software
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	DG EMISSIONS AND EFFICIENCY.
Author	Harris, Louis; Rosenstock, Steven
Publication_Name	Electric Perspectives, May/Jun2002, Vol. 27 Issue 3, p110, 2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Deals with the comparative challenges of contrasting the environmental advantages of various distributed generation (DG) systems with different types of central-station powerplants. Analysis of diesel power emissions; Efficiency of central-station powerplants; Benefit from reusing industrial heat for power generation.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Applications
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/applications.htm
Abstract	There are nine major customer DG applications: Allowing customers to continuously generate their own electricity, with or without grid backup, Permitting customers to generate power while serving their thermal and/or cooling loads, Generating a portion of electricity onsite to reduce the amount of electricity purchased during peak price periods, Licensing customers to sell excess generation back onto the grid when their own demand is low, especially during peak pricing periods, Using standby or emergency power to backup grid based power, Improving customer power quality and reliability, Serving niche applications, such as "green" power or remote power, Meeting continuous power, premium power, or cogeneration needs of the residential market.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Distributed Generation Market Forecasts
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/market_forecasts.htm
Abstract	<p>The potential market size forecast for DG varies by application. The following table indicates the approximate of some key U.S. markets, for a few of the customer applications. Any forecast depends greatly on the exp DG capital cost, future fuel cost, and the technology's energy efficiency.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Distributed Generation Regulations
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/regulations.htm
Abstract	<p>The regulatory environment surrounding DG is evolving rapidly. New interconnection standards, environment regulations, and net metering rules are promulgated each month. These are summarized here.</p> <p>State Regulations - Existing and emerging state regulations that affect the use of DG.</p> <p>Regulatory Issues - Energy provider and energy customer issues that need to be kept in mind by regulators policymakers.</p> <p>Power Marketing Licensing Requirements - This page lists state regulations affecting power marketers seek to retail power.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Distributed Generation Technologies
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/technologies.htm
Abstract	<p>The portfolio of DG technologies includes reciprocating engines, microturbines, combustion gas turbines (including miniturbines), fuel cells, photovoltaics, and wind turbines. Each technology has varying character and emission levels. Descriptions of each technology are provided below, but first the following table summ some of the key specifications.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	EI PAPER CHALLENGES DG ENVIRONMENTAL ADVANCES.
Author	
Publication_Name	Power Engineering, Jul2002, Vol. 106 Issue 7, p54, 3/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	<p>Focuses on a paper authored by two Edison Electric Institute managers which questions the environmental advantages attributed to distributed generation (DG). Percentage of back-up onsite generation units that run diesel fuel; Comparison of emissions between a natural gas-based DG system and a coal-based plant; Ben reusing industrial heat for power generation.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Article
Title	Embedded generation and distribution
Author	Amanda Seaton
Publication_Name	Power Economics, Nov2002, Vol. 6 Issue 10, p22, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports that distributed generation or embedded generation has the potential to contribute to British climate change commitments. Connection of embedded generation to the low voltage distribution network; Review of relationship between embedded generation and distribution network businesses; Removal of barriers to enter embedded generation; Climate change policy.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Energy Analysis Seminar Series Archive
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/analysis/archive.html
Abstract	An archive area, featuring information from our top-notch speakers. From this list, you can access presentations and a short write-up highlighting topics of current interest (including subjects such as greenhouse gases, distributed generation, and new analysis models) from these past sessions.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Impact of DG on Reliability
Author	Roger Dugan
Publication_Name	Transmission & Distribution World, Oct2002, Vol. 54 Issue 10, p50, 4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses the impact of distributed generation (DG) of electric power on reliability of the distribution system. Relationship between DG and utility-distribution system; Significance of DG in improving the reliability for remote loads; Application of DG to utility engineers.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Let the Real Work Begin
Author	Rick Rush
Publication_Name	Transmission & Distribution World, Oct2002, Vol. 54 Issue 10, p4, 2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the distributed generation (DG) of electric power in the U.S. Description of American Electric Power Co. in Columbus, Ohio; Utility of Detroit and parent-company DTE Energy Co. in Detroit, Michigan in electric power; Monitor index of DG.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	NATION'S LARGEST OFFICE OWNER HIGH ON DG.
Author	
Publication_Name	Power Engineering, Nov2002, Vol. 106 Issue 11, p156, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses the program of Equity Office Properties Trust (EOP) company to incorporate distributed electric generation into its commercial office properties in the U.S. Criteria used by EOP in the selection of its properties to include in the program; Details of some distributed generation projects of EOP at its office properties; Creation of the On-Site Energy Providers LLC by EOP.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Power Quality and Reliability Issues
Author	
Publication_Name	EERE - DER
Reference	http://www.eere.energy.gov/der/quality_reliability.html
Abstract	Power quality is an important concern for today's power grid and the loads that it serves. Computer equipment is sensitive to power quality problems, and the ubiquity of computers in today's manufacturing environment means that high power quality is becoming important to a wide number of commercial and industrial firms, as well as the average homeowner.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Primen Solutions Distributed Energy - Distributed Energy Strategic Service
Author	
Publication_Name	PRIMEN
Reference	http://www.primen.com/index.asp
Abstract	Primen's Distributed Energy Strategic Service tracks and analyzes important emerging trends in distributed generation and storage — including microturbines, fuel cells, reciprocating engines, Stirling engines, small gas turbines, battery-less storage, cogeneration packages, and photovoltaics. Through an integrated package of reports, primary research, networking opportunities, and access to Primen experts, subscribers receive detailed exclusive information from an independent, fuel-neutral perspective to help separate the hype from the reality of the evolving distributed energy market.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Strict NOx Emission Limits Planned for On-Site Power Units
Author	Susan Bassett
Publication_Name	Pollution Engineering, Jul2001, Vol. 33 Issue 6, p8, 2p, 1 chart, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Examines the effect of nitrogen oxide emission on the quality of air in the United States. Impact of on-site generation on the degradation of air quality; Regulation of the distributed generation of air; Efforts of the Ozone Transport Commission.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Office of Distributed Energy Resources (DER)
Author	
Publication_Name	EERE - DER
Reference	http://www.eere.energy.gov/der/
Abstract	The nation's electricity delivery system is straining in the face of escalating demand for power. Electricity shortages, power quality problems, rolling blackouts, and electricity price spikes are endemic. To meet the country's need for high-quality, reliable electricity, distributed energy resources (DER) offer a far less expensive alternative to the construction of large, central power plants and high-voltage transmission lines. The U.S. Department of Energy's Office of Distributed Energy Resources is working with industry stakeholders to streamline the integration of distributed energy systems with the electricity grid.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	WIN/WIN BUSINESS MODEL NEEDED TO ADVANCE DG.
Author	Steve Blankenship
Publication_Name	Power Engineering, Jun2002, Vol. 106 Issue 6, p60, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Presents the core conclusions of Emerson regarding the nature of the distributed generation market of elect and what is needed to advance them.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Winding Arrangements for Distributed Generation.
Author	Wayne Hartman
Publication_Name	Consulting-Specifying Engineer, Nov2002 Supplement, Vol. 32 Issue 5, p16, 6p, 7 diagrams
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the role of winding arrangements in the success of distributed generation designs. Incorporates distributed generation into a power system; Definition of the interconnection-transformer winding arrangement; Impact of winding arrangement on electric utilities.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Allied Business INTELLIGENCE Fuel Cells and Energy SUBSCRIPTION SERVICE
Author	ABI
Publication_Name	ABI
Reference	http://www.alliedworld.com/pdfs/ca01sbr.pdf
Abstract	The energy industry has been undergoing a decade of critical transition. While energy requirements rise as nation's consumption levels increase, new energy sources and technologies are required to be more efficient than those currently available. ABI is the premium source for market research covering fuel cells and other renewable energy technologies. Reports from ABI focus on regional markets as well as different market segments. Our research includes findings and information that are not readily available to others -- a critical benefit for our clients. ABI's fuel cell studies supply tactical and strategic intelligence, so that clients in the automotive, wireless, and power generation industries, among others, can benefit ahead of their competitors.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Alternative energy: microturbine, solar power, fuel cells.
Author	
Publication_Name	Fairfield County Business Journal, 03/05/2001, Vol. 40 Issue 10, p13, 2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Reports on the Capstone Turbine Corp.'s commercial power products utilizing the microturbine technology. Enertec's regional distribution of Capstone's MicroTurbine power generation system; Features and capabilities of the Capstone microturbine system; Target business segments for the use of microturbine as alternative energy source.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	BIOENERGY COMES OF AGE...AND THE TIMING IS PERFECT
Author	Jerome Goldstein
Publication_Name	BioCycle, Nov2002, Vol. 43 Issue 11, p56, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses highlights of the Bioenergy for the Environment conference held in Boise, Idaho, in October 2002. Conference sessions on anaerobic digestion, chemical by-products and co-products, climate change, district generation and green energy programs; Commercial companies that have ventured into bioenergy; Biobased products featured at the conference. INSET: BIOBASED PRODUCTS HIT THE MARKETPLACE.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	California Distributed Energy Resources Guide
Author	
Publication_Name	CEC DER
Reference	http://www.energy.ca.gov/distgen/index.html
Abstract	A public benefit site containing a wealth of information regarding distributed energy resources (DER). District energy resources are small-scale power generation technologies (typically in the range of 3 to 10,000 kW) located close to where electricity is used (e.g., a home or business) to provide an alternative to or an enhancement of the traditional electric power system.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Caterpillar Introduces New Generator Sets
Author	
Publication_Name	Journal Star, 12/17/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Dec. 17--PEORIA, Ill.--Caterpillar Inc. has introduced its new natural-gas fueled generator sets, which offer efficiency, low emissions, and low electricity cost in distributed generation service. The new Cat G3500 Se generator sets deliver electricity at the lowest cost per kilowatt-hour in extended-duty distributed generation service in both island mode and grid parallel operations, according to company officials. The first unit in the series, the G3520C, made its debut Dec. 10-12 at the POWER-GEN International 2002 in Orlando. The new generator set series fills an emerging need in the distributed generation market, officials say, which is growing rapidly as utilities see its potential as a quick, low-risk way to bolster power supplies and as a tool to stabilize voltage on local distribution systems.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DG Comes to Detroit Edison
Author	Rich Seguin
Publication_Name	Transmission & Distribution World, Oct2002, Vol. 54 Issue 10, p21, 5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the development of an application engineering associated with distributed generation (DG) by DTE Energy Co. and the electric utility Detroit, Michigan-based company Detroit Edison Corp. Impact of DG on the electrical system; Problems in the integration of DG into Detroit Edison distribution planning and operating process; Installation of four DG projects by Detroit Edison.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	DG emissions and efficiency Jun 04 - Electric Perspectives
Author	Louis Harris, Steven Rosenstock
Publication_Name	CyberTech Inc
Reference	http://www.netl.doe.gov/scng/news/2002/pdf/DG.PDF
Abstract	<p>Distributed generation's (DG'S) environmental bearing-in general and on air quality in particular-is site-specif and rarely unambiguous. While DG systems can produce fewer emissions and are cleaner than older centre station power generation, state environmental regulators are starting to focus on DG emissions. There also be local regulators, especially in those cities classified as nonattainment areas by the Environmental Protection Agency (EPA) that could become more involved as more DG is used.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	DG WILL BENEFIT FROM CONTINUED MOVE TOWARD UNIFORM TRANSMISSION ACCESS
Author	Blankinship, Steve
Publication_Name	Power Engineering, May2002, Vol. 106 Issue 5, p52, 3/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	<p>Reports on the plan of the U.S. Federal Energy Regulatory Commission (FERC) to continue efforts to remove transmission and distribution of barriers for distributed resources at the wholesale and retail levels. Reason the support to distributed generation resources; Scope of the authority given to the FERC; Plan of the commission to define an open access tariff.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Distributed Energy Markets Expanding at Time of Uncertainty
Author	Scott Sklar
Publication_Name	Energy Pulse
Reference	http://www.energypulse.net/centers/article/article_print.cfm?a_id=60
Abstract	<p>As states have begun a march towards on-and-off deregulation or reregulation, the US market has picked-up distributed generation in a big way. Prior, the international markets have been the mainstay for distributed generation technologies from diesels and reciprocating engines to battery banks and photovoltaics. The international markets for distributed generation have been telecommunications, (primarily cellular and redundant systems), uninterruptible power systems for banking and government, and back-up systems for the tourism industries.</p> <p>But as the U.S. grid begins to age and regulatory swings slow investment into transmission and distribution infrastructure expansion and upgrades, distributed generation has taken on new significance in the U.S. domestic marketplace. The electric utility industry primarily relies on the traditional distributed generation solutions utilizing reciprocating engines with some experimentation in microturbines, fuel cells and photovoltaic. Basic prime drivers for distributed generation vary.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Article
Title	Distributed Energy Resource Environmental Benefits/Impacts An E21 Initiative
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007077.pdf
Abstract	<p>Distributed resource (DR) technologies, such as small gas turbines, microturbines, fuel cells, fuel cell vehicle and photovoltaics, have the potential to become a significant source of electricity generation in the next few years. DR offers the advantage of being small, modular and physically close to the customer, serving as an alternative or supplement to centralized generation. Though expanding DR technologies offer tremendous opportunities for potential environmental benefits, their widespread use as an energy source is relatively new and the environmental implications of increasing DR deployment are not fully known. The consequences of failing to understand and address the environmental implications before wide-scale deployment of new technologies could be severe.</p> <p>E21 seeks to address these potential implications by studying the environmental impacts of DR and developing solutions while DR deployment is still in its early stages. Unlike centralized generation, DR technologies are located near to or within population centers. Additionally, emissions from many DR technologies occur at or near ground levels. The environmental and health impacts resulting from the emission of a given pollutant can be much more significant at ground levels in populated areas compared with equivalent emissions from tall stack centralized power-generating facilities located farther from population centers. The potential environmental benefits of some DR technologies, such as very low emissions from fuel cells, and combined heat and power have generally been recognized for some time. However, there is an increasing need for a comprehensive analysis of the whole range of environmental implications caused by DR to reduce or eliminate negative environmental effects of its widespread deployment.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Distributed Energy Resources Interconnection and Integration An E21 Initiative
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007076.pdf
Abstract	<p>Distributed resource (DR) technologies, such as photovoltaics, small gas turbines, microturbines, and fuel cells can serve as alternatives to centralized power generation. Small and modular, and close to the electricity customer, over the next several years DR technologies can be expected to be more widely used if operational obstacles can be addressed. Although DR has been interconnected safely and successfully for decades, interconnection remains a significant issue influencing its long-term prospects. This evidence shows a growing need to understand the impacts of these resources and how to better integrate and leverage DR systems with electric power systems (EPS) and with endusers. E21 proposes to bridge the existing gaps by bringing together key stakeholders from the DR business community, utilities, state regulators, and others to work in collaboration to solve these problems. If DR is to be successful in the electricity supply and delivery enterprise, then simple, standardized ways of integrating it into power systems will be crucial.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Distributed Energy Resources Market Structure/Price Signals An E21 Initiative
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007078.pdf
Abstract	<p>The manner in which the electricity industry has been built and historically operated—to suit customer needs under a heavily regulated, vertically integrated market has resulted in market barriers preventing distributed energy resources (DR) from meeting today's needs. An updated, transparent market structure, enabling a link between demand and supply, is required to allow DR to provide maximum value to customers. Research pricing signals could lead the way for more efficient deployment of grid resources while potentially enhancing applications. Standardized regulations towards DR, developed from examining and adopting best practices, would also greatly enhance the market potential for DR technologies.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Article
Title	Distributed Energy Resources Public/Private Partnership An E21 Initiative
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007272.pdf
Abstract	DR OVERVIEW AND ISSUES The deployment of distributed energy resources (DR) has lagged far behind the expectations of users, vendors, and venture capitalists. Strong, viable technologies are available. However installation and integration into the power grid is not always easy, inexpensive, straightforward, or even predictable. This initiative is aimed at assembling key public and private stakeholders to work collaboratively solve these issues as rapidly as possible.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Distributed Generation Coming Into Focus.
Author	Smith, Douglas J.
Publication_Name	Power Engineering, Apr2002, Vol. 106 Issue 4, p26, 4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses the implementation of distributed generation of electric power in the U.S. Historical background; Market and market opportunities; Benefits of distributed generation and distributed resources; Program established by the Los Angeles Department of Water and Power; Aggregation of distributed generation. INSI USERS AND SUPPLIERS OF DISTRIBUTED GENERATION; U.S. ELECTRIC POWER SYSTEM WEAKNESSES; INSTALLED COSTS LOWER WHILE EFFICIENCIES INCREASE: 2000-2020; CHARACTERISTICS AND EMISSION LEVELS FOR VARIOUS DISTRIBUTED...
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Poised To Win Over End Users
Author	
Publication_Name	EnergyUserNews
Reference	http://www.energyusernews.com/eun/cda/articleinformation/features/bnp_features_item/0,2584,6725,00
Abstract	Distributed generation, known by developers as DG, has suddenly become the "killer application" of the ene industry. If analysts are to be believed, DG will be to the energy industry what the personal computer was t computer industry-both disruptive and enabling, starting a chain of events no-one can accurately predict.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DTE eyes Engler's alternative-energy plan.
Author	
Publication_Name	Crain's Detroit Business, 6/17/2002, Vol. 18 Issue 24, p6, 1/3p, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Reports on the legislation of the alternative-energy plan by the Detroit Area Regional Transportation Authorit Michigan. Reduction of state budget for 2003; Details on the tax exemptions for companies engaged in alterr energy research; Possibility of a power plant driven by hydrogen fuel cells.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Electric Power Generation and Management
Author	Hashim Nehrir, Victor Gerez, Steve Holland
Publication_Name	Montana Business Quarterly, Autumn2002, Vol. 40 Issue 3, p18, 3p, 2bw
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Deals with electric power generation and management. Alternative energy power generation sources; Challenges posed by deregulation, rapid technological and population growth, and customer demand to the power industry; Implications of energy efficiency and demand management for manufacturing. INSET: Fuel Cell System Installed in Yellowstone Park.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Electrotek Concepts Contracted to Perform Study on Impacts of Distributed Wind on Utility Systems
Author	
Publication_Name	Electrotek Concepts
Reference	http://www.electrotek.com/pressrel/uwigdist.htm
Abstract	Recognizing the emerging popularity of wind as a distributed generation application, a utility wind industry group has initiated a project to study the impacts of small-scale wind generation on utility distribution networks. The Utility Wind Interest Group (UWIG), a non-profit corporation whose mission is to accelerate the appropriate integration of wind power into the electric system, is providing leadership, technical review, and funding for the project, which is receiving financial support from a combination of utility industry groups, research organizations, state governments and agencies, and individual utilities.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Electrotek to participate in Electricity Innovation Institute project to develop architecture for the Electric System of the Future
Author	
Publication_Name	Electrotek Concepts
Reference	http://www.electrotek.com/pressrel/e2iarch.htm
Abstract	Electrotek Concepts, a division of WPT, Inc, has announced that it is part of a team selected by the Electricity Innovation Institute (E2I) to assist in the initial development of an industry wide architecture to meet the emerging needs of a digital society. The 18-month, multi-million dollar project will define an overall technical framework for the design of communications and intelligent equipment necessary to support the "smart grid" electric system of the future.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EnergyUserNews MARKETPLACE 03/03 Statistics, Trends and Energy Data
Author	
Publication_Name	EnergyUserNews
Reference	http://www.energyusernews.com/FILES/HTML/PDF/0303Marketplace.pdf
Abstract	Monthly tables of various Statistics, Trends and Energy Data
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	FUEL CELLS NOT PIE-IN-THE-SKY OR PANACEA
Author	
Publication_Name	Mechanical Engineering, Dec2002, Vol. 124 Issue 12, p22, 1p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the possibility of development and uses of fuel cells in the economy. Presence of transport-rela and stationary fuel cells; Working of the cell, according to UTC Fuel Cells; Use of the cells in distributed generation applications; Obstacles in the use of fuel cells in transportation; Comments of critics and support on fuel cell usage.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	General Electric Corporate Research and Development Integrating Distributed Generation with Electric Powe
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33402.pdf
Abstract	Goals: To make large-scale system integration feasible for distributed generators (DGs), a cost-effective, massproduced universal interconnection (UI) system must be developed. General Electric (GE) is examining technical issues associated with interconnecting DG with the electric grid to develop a UI system to facilitate interconnection.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Getting serious about motley fuels
Author	
Publication_Name	Red Herring, Jul2002 Issue 115, p70, 2p, 2 charts, 1 graph, 1 map
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports on the seriousness of the government and other concerned entities in the United States to develop electric power generation system using renewable sources. Factors that influenced the shift towards distri generation and clean energy; Sense of awareness about electricity usage created by the power crisis in C
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Institute of Electrical and Electronics Engineers Interconnection Standards Development
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33405.pdf
Abstract	Overview: The use of distributed resources (DR) has the potential to provide more reliable and lower-cost e for electricity customers. This is particularly true for customers with onsite generation.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Leaders of the pack
Author	
Publication_Name	NPPC
Reference	http://www.nwcouncil.org/library/cq/2002spring/leaderspack.htm
Abstract	Reciprocating engines, microturbines and fuel cells have gained the most interest and offer the greatest pot for the future of distributed generation. All of them can be used for cogeneration—besides creating electrici they also can provide thermal energy that can be used to heat water and space—making them extremely ef
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Manage distributed generation to maximize benefits.
Author	Sonderegger, Robert C.
Publication_Name	Electrical World, 2002 First Quarter, Vol. 216 Issue 1, p31, 3p, 3 diagrams
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Assesses the applicability of traditional supervisory control and data acquisition systems to handle power production and consumption. Mechanics of the system in energy transformation; Servers for the installation control software; Elaboration of the distributed generation in power configuration.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	New York State Energy Research and Development Authority & Electrotek Concepts Aggregating Distributer Generation for Demand Response
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33400.pdf
Abstract	The New York State Energy Research and Development Authority (NYSERDA) and its subcontractor, Electrotek Concepts, are developing and testing a control and communications system to aggregate distributed resource in a way that maximizes benefits for all parties involved.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	NiSource Energy Technologies Optimizing Combined Heat and Power Systems
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33406.pdf
Abstract	Goals: NiSource Energy Technologies is conducting research and development to evaluate gridconnected and aggregated distributed power systems and combining several technologies with dynamic optimization and control of energy use to identify regulatory, integration, and interconnection issues. Its long-term goal is to develop approaches to incorporate distributed generation (DG) systems into the physical design and controls of built
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Orion Engineering Corporation Intelligent Solutions for Distributed Power Technology
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33404.pdf
Abstract	Overview: The purpose of this research is to demonstrate a neuralnetwork control system for managing small distributed generation (DG). Orion Engineering Corp. (Orion) has developed a system called the Distributed Energy Neural Network Integration System (DENNIS®). This system combines discretionary control for individual distributed generators with a networked neighborhood hub control module that aggregates the small generators into a virtual single, large generator capable of selling power to the grid. The small distributed generators include biomass-based generators, fuel cells, combustion turbines, microturbines, wind turbines, photovoltaic systems, and storage.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Peoples taps market for mini power plants.
Author	Daniels, Steve
Publication_Name	Crain's Chicago Business, 1/20/2003, Vol. 26 Issue 3, p6, 1/2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Reports that Chicago, Illinois-based natural gas utility Peoples Energy Corp. has teamed up with the firm Hes Microgen, a Nevada-based maker of small generators, to offer small commercial power users on-site generation during peak demand. Business customers that Peoples Energy expects will generate demand for its mini power plants; Peoples' goals related to its growth.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Primen Distributed Energy Research Perspectives
Author	
Publication_Name	PRIMEN
Reference	http://my.primen.com/Applications/DE/Community/research/reports/perspective/index.asp
Abstract	A list of Primen Distributed Energy Research Perspectives Reports
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Project Opportunity Cost Survey and Estimating Tool for 1-10 MW Scale Distributed Generation
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007016.pdf
Abstract	<p>Installation of Distributed Generation assets in the 1-10 MW range at various points in the utility distribution system is becoming a more viable alternative to making T&D upgrades and/or importing additional central station power during peak periods. These assets are commonly used for peaking purposes but are also used for extended periods.</p> <p>Some planning tools exist to estimate equipment acquisition costs for these distributed generators and their associated switchgear. These costs are readily available from equipment vendors. Tools to estimate installation costs and indirect costs such as engineering, permitting, site development, and so forth—are not as readily available. These aggregate costs can, however, equal or exceed equipment acquisition costs.</p> <p>The purpose of this project is to survey total project costs for actual distributed generation installations in the 1-10 MW capacity range. These survey costs are then used to prepare a planning tool to estimate total life cycle costs for new projects.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Project Opportunity PEM Fuel Cell — UPS for Battery Bank Replacement
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007017.pdf
Abstract	<p>Lead-acid batteries are commonly used to power critical loads during power outages. The batteries can provide bridge power while other, longer-term stand-by power sources are brought to the loads. In some cases, they are the only emergency power source for the load.</p> <p>The project is to evaluate, in the field, the capability of a Proton Exchange Membrane (PEM) fuel cell-based UPS system to replace the lead acid batteries used to power the DC lube oil pumps.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Article
Title	Project Opportunity The EPRI Screening Tool that compares Distributed Generation vs. T&D Expansion
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/products_services/project_opps/DR/1007018.pdf
Abstract	Distribution planners are familiar with estimating costs of T&D infrastructure improvements to meet the growth loads served by substations. They are less familiar with estimating the costs of using distributed generation to meet the growth of substation and/or long line loads and evaluating the relative merits of DG vs. T&D upgrade. EPRI has developed the Area Investment Strategy Model' that creates sophisticated technical and economic comparisons of the DG vs. T&D upgrade options. This tool, however, requires a skilled user, detailed information on the distribution layout, and its use is comparatively time consuming.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	PROJECTS OF THE YEAR.
Author	Smith, Douglas J.
Publication_Name	Power Engineering, Dec2002 Buyers' Guide 2003, Vol. 106 Issue 12, p4, 6p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Features the top electric engineering projects in the U.S. for 2002. Distributed generation plants by NEO Corp; 640 MW Harrison Station Unit 1 SCR Project by Allegheny Energy; 249 MW combined-cycle powerplant in Tacoma, Washington by Black & Veatch and Kiewit Industrial Co.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	RealEnergy Inc. Enterprise-Wide Distributed Generation Energy Management System
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33401.pdf
Abstract	Summarizes RealEnergy's work, under contract to DOE's Distribution and Interconnection R&D, to develop a system to apply distributed generation (DG) across an enterprise or as a virtual utility for reliable and economic power generation, effective tools for management and control are required. The goal of this project is to develop and perfect a system to monitor and control DG for optimal performance and operation.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Rules to take aim at diesel emissions
Author	Eric Pianin
Publication_Name	THE WASHINGTON POST
Reference	http://stacks.msnbc.com/news/852834.asp
Abstract	Dec. 30 — The Bush administration is preparing new restrictions on life-threatening emissions from off-road diesel-powered vehicles after decades of government neglect of this major pollution source. In a turnaround from previous battles over pollution policy, environmentalists have hailed the move, while some industry groups are vigorously challenging it.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Self-Powered: Is Distributed Generation in Our Energy Future?
Author	
Publication_Name	NPPC
Reference	http://www.nwcouncil.org/library/cq/2002spring/selfpowered.htm
Abstract	At the city of Portland's Columbia Boulevard Wastewater Treatment Plant, a fuel cell is turning methane gas from the sewage treatment process into non-polluting, renewable electricity. The fuel cell operates like a battery, never needs recharging. Methane gas that would normally be flared into the atmosphere is piped into the fuel cell. The cell extracts hydrogen from the gas, then combines it with oxygen. This creates a chemical reaction that produces electricity, heat and water. Portland's fuel cell generates as much as 1.4 million kilowatt-hours per year—enough electricity to power 120 homes for an entire year.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Service Opportunity Distributed Generation Strategy, Market, and Technology Assessment Services
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/attachments/245403_so1001115.pdf
Abstract	TAKE CHARGE OF A NASCENT MARKET As more businesses demand premium power, and new power system infrastructure from plants to wfres becomes increasingly difficult to site, distributed generation (DG) is poised for dramatic expansion.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Solar Gains.
Author	Barbara Wolcott
Publication_Name	Mechanical Engineering, Oct2001, Vol. 123 Issue 10, p66, 4p, 4c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports the growing popularity of photovoltaic technology by means of distributed generation and source of power for the unwired world. Willingness of customers to invest individual residential and business photovoltaic power systems; Impact of solar power on the developing world; Reduction of greenhouse gas emissions.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Distributed Generation Puzzle: Piecing It Together
Author	Lihach, Nadine
Publication_Name	Power Engineering, Apr2000, Vol. 104 Issue 4, p20, 4p, 2c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses the implication of distributed generation (DG) for the power industry in the United States. Application of DG; Benefits from DG technologies; Problems associated with the use of DG.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Energy Web
Author	Steve Silberman
Publication_Name	Wired Magazine
Reference	http://www.wired.com/wired/archive/9.07/juice.html
Abstract	The best minds in electricity R&D have a plan: Every node in the power network of the future will be awake, responsive, adaptive, price-smart, ecosensitive, real-time, flexible, humming - and interconnected with every other node.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	University of Wisconsin-Madison Micro-sources with Storage Bringing High Value to Customers
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/33418.pdf
Abstract	Goals: The Wisconsin Power Electronics Research Center (WisPERC) of the University of Wisconsin-Madison is developing a hardware demonstration of the feasibility and value of distributed resources as a solution to sensitive load problem. Current efforts focus on research and development of micro-source distributed generation (MSDG) using commercial microturbine, fuel cell, or photovoltaic systems combined with energy storage to provide high quality, uninterrupted, efficient, environmentally friendly, and cost-competitive power.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Upstate New York Travel Plazas Enable Truckers to Use Power without Idling
Author	Bruce A. Scruton
Publication_Name	Times Union, 04/07/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Some manufacturers are retrofitting truck cabs with electrical hookups for use by drivers, and some newer models come with preinstalled connections so the engine can be shut down but power still flows.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Whose power is this anyway?
Author	Gretchen Wenner
Publication_Name	Business Journal Serving Fresno & the Central San Joaquin Valley, 1/1/2001 Issue 322715, p1, 2p, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports on the obstacles to the move towards distributed generation in California's electric power market. Dispute over the interconnection between small power plants and major utilities' network of transmission lines. quality issues facing small power plants.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	2002 Engine Order Survey - As Expected Engine Orders Stumble
Author	Mark McNeely
Publication_Name	Diesel & Gas Turbine Worldwide
Reference	http://www.dieselpub.com/ww/2002_power_survey.pdf
Abstract	Gas turbine engine orders, which have dominated previous surveys, are down 45% compared to 2001 — from 1534 units to 841.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

Item_Type	Article
Title	A Fuel-Based Assessment of Off-Road Diesel Engine Emissions
Author	Andrew J. Kean and Robert F. Sawyer and Robert A. Harley
Publication_Name	The Journal of the Air & Waste Management Association
Reference	http://www.awma.org/journal/ShowAbstract.asp?Year=&PaperID=274
Abstract	<p>The use of diesel engines in off-road applications is a significant source of nitrogen oxides (NO_x) and particulate matter (PM₁₀). Such off-road applications include railroad locomotives, marine vessels, and equipment used for agriculture, construction, logging, and mining. Emissions from these sources are only beginning to be controlled. Due to the large number of these engines and their wide range of applications, to activity and emissions from these sources are uncertain. A method for estimating the emissions from off-road diesel engines based on the quantity of diesel fuel consumed is presented. Emission factors are normalized to fuel consumption, and total activity is estimated by the total fuel consumed. Total exhaust emissions from off-road diesel equipment (excluding locomotives and marine vessels) in the United States during 1996 have been estimated to be 1.2 x 10⁹ kg NO_x and 1.2 x 10⁸ kg PM₁₀. Emissions estimates published by the U.S. Environmental Protection Agency are 2.3 times higher for both NO_x and exhaust PM₁₀ emissions than estimates based directly on fuel consumption. These emissions estimates disagree mainly due to difference in activity estimates, rather than to differences in the emission factors. All current emission inventories for off-road engines are uncertain because of the limited in-use emissions testing that has been performed on these engines. Regional- and state-level breakdowns in diesel fuel consumption by off-road mobile sources are also presented. Taken together with on-road measurements of diesel engine emissions, results of this study suggest that in 1996, off-road diesel equipment (including agriculture, construction, logging, and mining equipment, but not locomotives or marine vessels) was responsible for 10% of mobile source NO_x emissions nationally, whereas off-road diesel vehicles contributed 33%.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	A Fuel-Based Inventory for Heavy-Duty Diesel Truck Emissions
Author	David B. Dreher and Robert A. Harley
Publication_Name	The Journal of the Air & Waste Management Association
Reference	http://www.awma.org/journal/ShowAbstract.asp?Year=&PaperID=218
Abstract	<p>A fuel-based method for estimating heavy-duty diesel truck emissions is described. In this method, emission factors are normalized to fuel consumption; vehicle activity is measured by the amount of diesel fuel consumed. For the San Francisco Bay Area during summer 1996, on-road heavy-duty diesel trucks were estimated at an upper bound to emit 110 ' 10³ kg/day of nitrogen oxides (NO_x) and 3.7 ' 10³ kg/day of fine black carbon (BC) particles. These upper bound values were 2.3 and 4.5 times, respectively, the corresponding predictions from California's motor vehicle emission inventory model, MVEI 7G. Significant decreases in diesel truck activity emissions, 70- 80% below typical weekday levels, were observed in the Bay Area on weekends. Reduction in diesel NO_x and BC particle emissions on weekends may contribute to higher ambient ozone concentrations and higher organic carbon (OC) to BC ratios observed on weekends. Heavy-duty truck traffic peaks on weekends during the middle of the day and falls off before the afternoon rush hour. Therefore, the diurnal pattern of heavy-duty truck travel may contribute to increases in ambient OC/BC ratios observed during late afternoon hours.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Air Toxic Emissions UCICL Burner Programs
Author	
Publication_Name	UCI Combustion Laboratory
Reference	http://www.ucicl.uci.edu/indexresearch.html
Abstract	<p>The UCICL air toxics program is attempting to determine the operating conditions that lead to HAP and OP emissions by source testing various natural gas-fired stationary systems, operating under industry standard as well as low-NO_x conditions. The source test data will also serve to provide a better understanding of the mechanisms responsible for the formation of these pollutants.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Alternatives to Diesel Truck Idling.
Author	Tario, Joseph D.
Publication_Name	Environmental Quality Management, Summer2002, Vol. 11 Issue 4, p95, 5p, 1bw
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Outlines some legislative initiatives affecting long-haul trucking in the U.S. Initiatives involving long-haul truck drivers; Description of several anti-idling technologies; Discussion on a demonstration project undertaken by York State to address the truck idling problem; Alternative technologies that would minimize unnecessary diesel idling.
Rating:	3
Available Electronically.	<input checked="" type="checkbox"/>
Fee Required.	<input type="checkbox"/>
Title	BP Cleaning up the Streets
Author	Chris Cragg
Publication_Name	Frontiers magazine Issue 4, Aug 2002
Reference	http://www.bp.com/company_overview/technology/frontiers/fr04aug02/fr04systemcity.asp
Abstract	BP introduces a new dynamic duo - a unique combination of emulsion diesel fuel and a revolutionary new lubricant that has an immediate effect on cutting vehicle exhaust emissions. What's more, a large London passenger bus company is very pleased with the results.
Rating:	3
Available Electronically.	<input checked="" type="checkbox"/>
Fee Required.	<input type="checkbox"/>
Title	Clearing the Air?
Author	Birkland, Carol
Publication_Name	Fleet Equipment, Oct2000, Vol. 26 Issue 10, p6, 1p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Discusses the issues involved in engine emission controls and diesel engine idling in the United States trucking industry. Reduction of idling; Effects of excessive idling and the possible benefits of idling alternatives; Fuel consumption and costs; Safety issues related to engine idling.
Rating:	3
Available Electronically.	<input checked="" type="checkbox"/>
Fee Required.	<input type="checkbox"/>
Title	COMED RELIES ON DISTRIBUTED GENERATION FOR RELIABILITY
Author	Joseph Fiorito
Publication_Name	The PMA Online Magazine
Reference	http://www.retailenergy.com/archives/comed.htm
Abstract	ComEd raises the bar in 2000 for Distributed Generation. This summer marks the third consecutive year that ComEd (A Unicom Company) will be utilizing diesel generators for peak shaving, distributed generation in the Chicago area.
Rating:	3
Available Electronically.	<input checked="" type="checkbox"/>
Fee Required.	<input type="checkbox"/>

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Item_Type	Article
Title	Davis, Calif., Researchers Design Fuel Cells for Use in Diesel Trucks
Author	Matthew Barrows
Publication_Name	The Sacramento Bee, 05/03/2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	When the sun goes down, rows of diesel engines keep idling in order to power the microwaves, coffee makers, heaters and air conditioners that provide truckers the comforts of home when they're on the road. Fuel cells which use a chemical reaction between hydrogen and oxygen to generate electricity, have been around since the 1960s. But in the last few years they've received renewed attention and are widely viewed as the energy source for the next generation of American automobiles because they emit virtually no pollutants.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Desulfurization of diesel fuel is being considered as a means of reducing emissions
Author	
Publication_Name	Rotec Design Ltd
Reference	http://www.rotecd.com/Sulfur%20FAQ%27s/sulfur.html
Abstract	Comments on the desulfurization of Diesel fuel Vs the implementation of FREEDOMAIR to achieve full useful reductions of NOx and PM emission levels.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DG A SAFE BET FOR MANY CUSTOMERS.
Author	
Publication_Name	Power Engineering, Jun2002, Vol. 106 Issue 6, p58, 1p, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Deals with the use of distributed generation (DG) packages by Shelter Insurance Co. and Treasure Island R and Casino that saved them money. Installation of a Caterpillar generator sets by Shelter to provide standby electricity service; Use of an on-site generation by Treasure Island; Impact of the packages used by the companies on their expenditures.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DG and ride-through technologies could solve grid reliability problems.
Author	Davis, Kathleen
Publication_Name	Electric Light & Power, Feb2002, Vol. 80 Issue 2, p25, 1/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the integration of distributed generation and ride-through technologies to solve power problems. Significance of the Venture Development Corp. survey on the need of reliable power source; Importance of generating power source both efficient and environmentally friendly; Impact of cost on power source generation.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DG Gaining Popularity as Risk Management Tool
Author	
Publication_Name	Power Engineering, Aug2001, Vol. 105 Issue 8, p62, 1/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the development of products and services that position distributed power (DP) as risk management tool. List of companies that use DP as risk management tool; Issue pointed out by XENERGY regarding the use of DP as risk management tool.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	DG INTERCONNECTION STANDARD ADOPTED
Author	Steve Blankenship
Publication_Name	Power Engineering, Nov2002, Vol. 106 Issue 11, p146, 1p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports on the approval of the standard for interconnecting distributed and dispersed electric generation fa by the Institute of Electrical and Electronics Engineers in the U.S. as of November 2002. Expected benefits fr the standard; Scope of the standard.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Diesel Engines Stay Away from Low Idle.
Author	
Publication_Name	PS: Preventive Maintenance Monthly, Dec2001 Issue 589, p18, 2p, 4 diagrams
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Focuses on the effect of low idle running on the engines of combat and tactical vehicles. Effects of not maintaining the normal operating temperature of the vehicle; Importance of high speed idling.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Diesel Reforming For Solid-Oxide Fuel Cell APUs
Author	Rodney L. Borup, Michael A. Inbody, José I. Tafoya and Jerry Parkinson
Publication_Name	Los Alamos National Laboratory Fuel Cell Program
Reference	http://www.eren.doe.gov/hydrogen/pdfs/nn0123ak.pdf
Abstract	Los Alamos has been conducting research under the sponsorship of the DOE/ SECA program – Solid State Energy Conversion Alliance. This work has been to develop technology suitable for the n-board reforming c diesel fuel for SOFC (Solid-Oxide Fuel Cells) for APU (Auxiliary Power units). This work leverages on going programs sponsored by DOE/OAAT fuel cell programs which support on-board reforming of gasoline for PEI based fuel cell systems. In addition, diesel reforming work at LANL is examining on-board formation of redu for the reduction of NOx on lean-burn engines (diesel and lean gas). This work examines the reforming of d fuel to form reductants suitable to reduce NOx over lean NOx catalysts in oxygen rich environments, such as found in advanced diesel engines.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Energy Resources Program TECHNOLOGY OVERVIEW
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy02osti/31251.pdf
Abstract	Distributed energy resources (DER) consist of energy generation and storage systems placed at or near the of use. This provides the consumer with greater reliability, adequate power quality, and the possibility to participate in competitive electric power markets. DER also has the potential to mitigate transmission congest control price fluctuations, strengthen security, and provide greater stability to the grid. DER can lead to lower emissions and, particularly in combined heat and power (CHP) applications, to improved efficiency.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	DISTRIBUTED GENERATION REDUCES DOWNTIME
Author	Smith, Douglas J.
Publication_Name	Power Engineering, Jan2002, Vol. 106 Issue 1, p58, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Deals with the energy consumption strategy of Harbec Plastics at its plant in Rochester, New York. Implications of power failures; Goals for addressing the problems posed by power failures; Information on the plant's power system.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	ELECTRICITY TRANSMISSION
Author	GLENN ENGLISH
Publication_Name	FDCH Congressional Testimony, 12/13/2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	NRECA believes that states should retain their traditional jurisdiction over retail sales and electric distribution systems. The Federal Energy Regulatory Commission (FERC) lacks the experience and resources to assume those responsibilities. FERC also lacks the capacity to address the important state and local interests inherent in retail electric service. Accordingly, NRECA cannot support the provisions in Title I respecting distributed generation, net metering, and price responsive demand programs.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Energy Foundation - Hewlett Foundation Energy Series
Author	
Publication_Name	Hewlett Foundation Energy Series
Reference	http://www.ef.org/energyseries.cfm
Abstract	In partnership with the Hewlett Foundation, the Energy Foundation has commissioned a series of research reports to address these issues. The reports will be released throughout 2002 and will be posted to this website.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA gives the green light on diesel-sulfur rule.
Author	
Publication_Name	National Petroleum News, Apr2001, Vol. 93 Issue 4, p8, 1/3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports the activities of the Environmental Protection Agency corresponding to the diesel-sulfur rule. Effect of the rule; Percentage requirement for reduction of sulfur content in diesel; Effect of the smog-causing nitrogen oxide emissions on children's health.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	FuelCell Energy's DFC300A Power Plant Receives Certification for Grid Interconnection in California
Author	
Publication_Name	Yahoo Finance
Reference	http://biz.yahoo.com/bw/030219/192307_1.html
Abstract	FuelCell Energy, Inc. (NasdaqNM: FCEL) announced today that it has received notice from the California Energy Commission (CEC) that its DFC300A Direct FuelCell® (DFC®) power plant is certified for grid interconnection under California's "Rule 21" standard.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	GAS TECHNOLOGY INSTITUTE CAMPUS GENERATING ON-SITE POWER
Author	
Publication_Name	Power Engineering, Jan2003, Vol. 107 Issue 1, p50, 1/2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the Gas Technology Institute's Distributed Energy Technology Center (DETC) as a source of po for its campus. Importance of the center's ability to generate cooling, heating and power; Equipment provide DETC.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	GE SENDING 131 MEGAWATTS OF DISTRIBUTED POWER CAPACITY INTO ENERGY -HUNGRY WESTERN U.S.
Author	
Publication_Name	Energfy Cenral
Reference	http://www.energycentral.com/
Abstract	GE Distributed Power secured contracts during the first six months of this year to supply midrange power generation equipment for installations in California and the Pacific Northwest totaling 131 megawatts, or eno power for nearly 115,000 households.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Long Beach, Calif., Port Commissioners Drop Opposition to Truck Idling Bil
Author	Mark Edward Nero
Publication_Name	Press-Telegram, 08/13/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Aug. 13--LONG BEACH, Calif.--The Port of Long Beach Board of Harbor Commissioners on Monday reverse its opposition to a so-called truck idling bill.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Microgrids unleash true power of dispersed energy
Author	
Publication_Name	Modern Power Systems, Aug2001, Vol. 21 Issue 8, p25, 3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the provision of an alternative way to supply electricity by the distributed energy technologies. Transformation of the power distribution structure into network of distributed resources; Advantages of mic Integration of the independent microgrids with transmission and distribution grids.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	ONSITE ENERGY SOUGHT FOR CITY
Author	
Publication_Name	ENR: Engineering News-Record, 4/22/2002, Vol. 248 Issue 9, p18, 1/3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Focuses on the order of the Department of Energy to Durst Development on installing a distributed-energy powerplant in its data center in Manhattan. Usage of gas turbine generators; Implication of the World Trade Center destruction to the city's power supplies; Ability of New York to import power outside.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Optimizing On-Site Power
Author	
Publication_Name	Consulting-Specifying Engineer, May2000, Vol. 27 Issue 5, p28, 4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Presents a roundtable discussion participated in by United States electrical engineers about interconnection issues, codes, technology and roadblocks caused by electric utilities. Challenges in specifying on-site power switching systems; Building codes favorable to on-site power; Effect of industry deregulation on on-site power. Distributed generation.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Predicting the market potential for distributed generation.
Author	Cuomo, Robert J.
Publication_Name	Electric Light & Power, Feb2002, Vol. 80 Issue 2, p24, 1/2p, 1 graph
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses guidelines for predicting market potentials for distributed generation method. Significance of market size on the penetration of the distributed generation to increase subsidies; Importance of knowing the cost of technology being utilized; Role of the fuel cell technologies on distributed generation system.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Proving low NOx turbine technology in Santa Clara.
Author	David Flin
Publication_Name	Modern Power Systems, Apr99, Vol. 19 Issue 4, p27, 3p, 2 charts, 3 diagrams, 2c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Discusses the Xonon combustion system which enables gas turbines to achieve established emission standards. First application of the Xonon system at the Gianera Generating Station in Santa Clara, California; New Sour Review regulations posing constraining emission limitations; Distributed generation as an emerging market for small gas turbines; Description of the Xonon system. INSET: Market access.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Refiners Urge New Look at Diesel Fuel Rule
Author	Glenn Hess
Publication_Name	Chemical Market Reporter, 01/08/2001, Vol. 259 Issue 2, p5, 1/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Deals with the plan of petroleum refiners to ask the administration of United States (U.S.) President-elect George W. Bush to review the rule issued by the U.S. Environmental Protection Agency that would eliminate sulfur in diesel fuel. Details on the rule; Effects of the rule on diesel supply and production.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Review of Diesel Sulfur Rule Planned
Author	
Publication_Name	Chemical Market Reporter, 8/20/2001, Vol. 260 Issue 8, p32, 1/6p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports on the plan of the U.S. Environmental Protection Agency to convene a special advisory panel to rev Clinton-era rule that requires refiners to eliminate sulfur in diesel fuel. Argument of the National Petrochemical Refiners Association (NPRA) against the rule; Lawsuit filed by the NPRA against the agency; Opposition of environmental groups to the review.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	SIGMA to sue over diesel-sulfur rule
Author	
Publication_Name	National Petroleum News, Mar2001, Vol. 93 Issue 3, p10, 1/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports that the board of directors of SIGMA voted to sue the United States Environmental Protection Agency over the diesel-sulfur rule, which was finalized in January 2001. Required drop in the maximum sulfur content of diesel; Arguments of SIGMA against the rule.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	THE DIESEL DILEMMA
Author	Sawyer, Christopher A.
Publication_Name	Automotive Design & Production, Nov2001, Vol. 113 Issue 11, p37, 2/3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Focuses on the diesel fuel industry in the U.S. as of November 2001. Standards imposed by the U.S. clean air act; Provisions in the Federal 'Tier 2' standards; Factor that limited the appeal of diesel in the U.S.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The new DISTRIBUTED GENERATION
Author	Hall, James
Publication_Name	Telephony, 10/1/2001, Vol. 240 Issue 14, pPTN10, 4p, 2 diagrams
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Deals with the importance of distributed generation and uninterruptible power supply technologies. Definition of distributed generation of electricity; Advantages of distributed generation technology; Need to change the energy industry structure; Problems associated with the energy crisis in California
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	UPS Technology Takes Front Seat in Drive for Distributed Generation
Author	
Publication_Name	EnergyUserNews
Reference	http://www.energyusernews.com/eun/cda/articleinformation/features/bnp_features_item/0,2584,63318,0
Abstract	Industries across the board pay a high price for downtime-over a million dollars a day in lost revenue. Recent advancements in technology have led to more automated manufacturing processes which, in turn, have created an increased dependence on electrical distribution systems.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	UTC Fuel Cell Fact Sheet
Author	
Publication_Name	UTC Fuel Cells
Reference	http://www.utcfuelcells.com/whoweare/pdf/factsheet.pdf
Abstract	UTC Fuel Cells (UTCFC), formerly International Fuel Cells, is the world leader in fuel cell production and development for commercial, transportation, and space applications. UTCFC is part of the UTC Power unit of United Technologies Corp. (NYSE: UTX)
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	World's First Energy Station Featuring Hydrogen and Electricity Co-Production Opens in Las Vegas
Author	
Publication_Name	DOE
Reference	http://www.energy.gov/HQPress/releases02/novpr/pr02240_v.htm
Abstract	LAS VEGAS, NEV. -- The Department of Energy (DOE) today announced the opening of the world's first hydrogen energy station featuring the co-production of hydrogen fuel for vehicles and clean electric power fuel cells.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	A Cleanup for the Big Rigs.
Author	
Publication_Name	New York Times, 12/26/2000, Vol. 150 Issue 51614, pA30, 0p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Focuses on the ruling of the United States Environmental Protection Agency (EPA) under the term of Carol Browner that requires refiners to reduce sulphur content in diesel fuel. Significance of reducing sulphur; Benefits of the ruling to the refiners and to the public; Industry costs assessment rejected by EPA in the production of sulphur-free fuel.
	Rating: 2 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	ALL ABOUT DIESEL
Author	
Publication_Name	Fact Sheets
Reference	http://www.dieselforum.org/factsheet/dieselemmissions.html
Abstract	Diesel technology has some inherent advantages in emissions performance, and a combination of technical improvements and regulatory requirements has led to a considerable improvement in diesel emissions levels the last two decades.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Barton Prepares Short-Term Energy Solution For Calif.
Author	Mullins, Brody
Publication_Name	CongressDaily, 04/24/2001, p3, 1p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Focuses on United States House Energy and Commerce Energy and Air Quality Subcommittee Chairman Joe Barton's California electricity bill. Provision on distributed generation; Sale of excess power back into the wholesale electricity market; Rationale for the short-term solutions proposed by Barton for the California power crisis.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Briefly Noted - Geogia's first residential fuel cell has been installed by Flint Energies
Author	
Publication_Name	Power Engineering, Aug2002, Vol. 106 Issue 8, p58, 3/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Presents news briefs related to the power generation industry in the U.S. as of August 2002. Installation of Georgia's residential fuel cell by Flint Energies company; Increase in the number of U.S. electric utilities offer distributed generation and combined heat and power services; Emissions certificates for all fuels received I Ford Power Products company in its two industrial engines.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Coping with deregulation
Author	Mankey, Eur Ing Gregory A
Publication_Name	International Power Generation, Nov98, Vol. 21 Issue 7, p43, 1p, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Offers a look at distributed generation approach as an alternative to electricity deregulation in the North Ame market. Factors that will continue to drive electricity suppliers towards increasingly low emission levels; Key successful utilization of distributed generation; Key to economic development
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Court Upholds EPA Rule on Diesel Trucks
Author	Eric Pianin
Publication_Name	THE WASHINGTON POST
Reference	http://www.washingtonpost.com/wp-dyn/articles/A48629-2002Sep6.html
Abstract	A federal court here yesterday denied a request by two major diesel engine manufacturers to postpone a t new antipollution standard for long-haul truck engines beyond the Oct. 1 deadline.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Diesel and Gas Turbine Worldwide Confirms Large Decline in Reciprocating Engine and Gas Turbine Sales
Author	
Publication_Name	Diesel & Gas Turbine Worldwide
Reference	http://www.dieselpub.com/ww/2002_power_survey.pdf
Abstract	Diesel and Gas Turbine Worldwide Confirms Large Decline in Reciprocating Engine and Gas Turbine Sales
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Diesel Trucks, Buses Fueling Pollution Problem, Officials Say Huge Amount of Exhaust Comes From Small Slice of Traffic
Author	Katherine Shaver
Publication_Name	THE WASHINGTON POST
Reference	http://www.washingtonpost.com/wp-dyn/articles/A9134-2002Dec18.html
Abstract	Heavy diesel vehicles are the major culprits behind the vehicle exhaust problem that threatens federal fundi new road and transit projects in the Washington area, regional planners told public officials yesterday.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	EPA Cites Boston's Subway Line Cite for Idling Diesel Buses
Author	Mac Daniel
Publication_Name	The Boston Globe, 07/09/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Jul. 9--Federal environmental officials yesterday cited the MBTA for breaking state law by allowing pollution diesel buses to idle excessively at several T facilities, a violation that could cost the agency hundreds of thousands of dollars in fines.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA Links Lung Cancer, Diesel Exhaust
Author	Eric Pianin
Publication_Name	THE WASHINGTON POST
Reference	http://www.washingtonpost.com/wp-dyn/articles/A34566-2002Sep3.html
Abstract	The Environmental Protection Agency concluded yesterday that long-term exposure to exhaust from diesel engines likely causes lung cancer in humans and triggers a variety of other lung and respiratory illnesses.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA Rule Hits Diesel Exhaust, Truck Engines.
Author	Fialka, John J.
Publication_Name	Wall Street Journal - Eastern Edition, 12/21/2000, Vol. 236 Issue 121, pA8, 0p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Deals with the regulation issued by the United States (U.S.) Environmental Protection Agency regarding dies fuel and diesel-powered trucks and buses. Effects of the regulation on the price of diesel fuel; Impact of the regulation on the oil industry in the U.S.; Environmental benefits of the rule.
	Rating: 2 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	FreedomAir – Technology for Reduction of Diesel Engine Soot and Nox Emissions
Author	Robert Rutherford (B.Eng Mech) – Managing Director and Philip Teakle (MEngSc., MIEAust, RPEQ) – R&D Manager
Publication_Name	Rotec Design Ltd
Reference	http://www.rotecdsgn.com/FreedomAir%20REPORT.html
Abstract	FreedomAir is a novel external air supply system. It utilises a reciprocating piston pump assembly operating twice engine speed to deliver air to engine cylinders with a unique PULSE™1 scavenging effect. It has demonstrated a very high scavenging / trapping ability and very low pumping work required to achieve this.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	HEI Program Summary Research on Diesel Exhaust
Author	
Publication_Name	HEI Program Summary
Reference	http://www.healtheffects.org/Pubs/DieselProgSumm-C.pdf
Abstract	Diesel engines are an important part of the world's transportation and industrial infrastructure, especially in duty equipment such as trucks, buses, construction and farm equipment, locomotives, and ships. Two ben of diesel engines, compared to gasoline engines, are energy efficiency and durability. Diesel engines emit le CO2, a greenhouse gas, per unit of work done and are more fuel efficient than gasoline engines. As the nur of vehicles and miles traveled increases globally, energy and pollution issues will become increasingly impo
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	High Wire Act--The Future and Financing of Electric Transmission.
Author	Roseman, Elliot; Nichols, Chris
Publication_Name	Journal of Project Finance, Winter2001, Vol. 6 Issue 4, p7, 13p, 2 charts, 2 diagrams, 1 map
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Transmission constitutes just 10% of the assets of the integrated U.S. utilities, but compared to generation a distribution, has received a disproportionately small share of financial support, and until quite recently, management attention. A major challenge for the future will be to ensure that transmission investments are sufficient to support the anticipated growth in both wholesale and retail sales. In this article, the authors evaluate three potential future scenarios for transmission assets, with a transition between them possible over time. Broadly speaking, those scenarios are regulation-based transmission rates, market-based transmission rate and distributed generation-based transmission. Today, there is a strong current running in favor of for-profit activity in the transmission sector, but there may be continuing skepticism that commercial transmission offers genuine competitive neutrality. Regulatory attitudes will shape what the sector is allowed to become, and with the regulatory battle may be one of the most significant aspects of achieving corporate change in transmission. [ABSTRACT FROM AUTHOR]
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Latham, N.Y.-Based Fuel Cell Company Sees Uncertain Future
Author	Kenneth Aaron
Publication_Name	Times Union, 03/21/2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	In the fuel cell world, that appears to be the word of the moment. If fuel cell technology develops, costs come down. If costs come down, customers will be willing to buy the low-emission, high-efficiency generators.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Low-sulfur diesel fuel rule
Author	
Publication_Name	Warehousing Management, Jan/Feb2001, Vol. 8 Issue 1, p52, 1/4p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Discusses the United States Environmental Protection Agency's proposed low-sulfur diesel fuel regulation as of January 2001. Provisions of the proposed rule; Implications for the warehousing sector.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Neutralizing Diesel's Idle Threat
Author	By John Gartner
Publication_Name	Wired News
Reference	http://www.wired.com/news/technology/0,1282,55646,00.html
Abstract	While diesel-powered buses are great for taking little Christopher to school, the Environmental Protection Agency says their polluting engines are a growing threat to kids' health. A startup company is developing a cleaner alternative: the first fuel cell to run on ordinary diesel fuel.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	New Jersey hospital signs agreement allowing it to generate energy on site
Author	
Publication_Name	Hospital Materials Management, Feb2003, Vol. 28 Issue 2, p3, 1/8p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on the contract between East Orange General Hospital with AmericanDG in the U.S. Role of AmericanDG in supplying energy for the hospital through a distributed generation system; Installation of an c site co-generation facility.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	New York State Plan Would Regulate Use of Small Electricity Generators
Author	Kenneth Aaron
Publication_Name	Times Union, 05/07/2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	May 7--Off the grid, but in the green. That's where state Department of Environmental Conservation Commissioner Erin Crotty wants to keep small electricity generators, for which she said the state will begin to draw up emissions standards. The so-called distributed generation units often are used for backup power.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Out-of-State Power Plant Developers Target Indiana: Governor O'Bannon Must Respond Now!
Author	
Publication_Name	Citizens Action Coalition of Indiana
Reference	http://www.citact.org/pdevelope.html
Abstract	Out-of-State Power Plant Developers are looking to Indiana for a quick buck at Hoosiers' expense. Hoosiers selected communities across the state are fighting for their land and water resources against what are kno "merchant power plants."
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	PEFC fuel cell starts field trial in Musashino.
Author	
Publication_Name	Modern Power Systems, Jan2001., Vol. 21 Issue 1, p9, 1/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports the field test of proton exchange membrane fuel cell unit from Ballard Generation Systems Inc. at NT Telecommunications Energy Laboratories in Japan. Collaboration with Ebara and Ebara Ballard; Relationship between fuel cell efficacy and nitrogen oxide emission level; Use for distributed power generation and autor applications.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	PENN ENGINEERS DEVELOP FUEL CELL THAT USES LIQUID DIESEL, THE FIRST SUCH DEVICE TO RUN ON A WIDELY AVAILABLE FUEL
Author	Steve Bradt
Publication_Name	PENN NEWS
Reference	http://www.upenn.edu/pennnews/releases/2001/Q3/gorte0901.html
Abstract	Chemical engineers at the University of Pennsylvania have developed a prototype fuel cell that's the first to a readily available liquid fuel source, in this case ordinary diesel fuel. The work nudges fuel cells closer to viability, offering the promise of compact, portable power sources that offer much more bang for the buck th combustion engines or existing batteries.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Public Power's Generation and Environmental Profile
Author	Theresa Pugh
Publication_Name	American Public Power Association, January 2002
Reference	http://www.appanet.org/pdfreq.cfm?PATH_INFO=/LegislativeRegulatory/Environment/Publicpowerenvprofile02.pdf&VARACTION=GO
Abstract	Bulleted Items concerning th Public Power's Generation and Environmental Profile
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Study Indicates Highway Diesel Fuel Supply Likely To Meet 2006 Demand
Author	
Publication_Name	Alliance of Automobile Manufacturers
Reference	http://www.autoalliance.org/pressreleases/pr022702.htm
Abstract	The nation's supply of highway diesel fuel, under a recently adopted regulation to cap sulfur content at 15 p per million (ppm), likely will meet passenger and commercial transportation needs in 2006, according to a stu released by the Alliance of Automobile Manufacturers and the Engine Manufacturers Association
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Truck, Bus Operators to Study Idle Emissions Controls in Flagstaff, Ariz.
Author	
Publication_Name	Environmental News Network, 07/19/2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Jul. 19--Anyone who has ever traveled America's highways has pulled into a gas station or a rest stop wh diesel trucks and buses are standing, waiting for their drivers and passengers to climb aboard. The clouds smelly diesel fumes from these idling vehicles can be choking, and they create haze that obscures visibility i open areas.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Zinc Fuel Cell Provides Backup Power for Cell Site
Author	
Publication_Name	Transmission & Distribution World, Dec 1, 2002
Reference	http://tdworld.com/ar/power_zinc_fuel_cell/
Abstract	One of Metallic Power's (Carlsbad, California, U.S.) zinc fuel cells successfully provided backup power to a site during power interruptions, marking a milestone in its development of zinc fuel cell technology.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	2001 Critical Review - Diesel Engines: Environmental Impact and Control
Author	Alan C. Lloyd and Thomas A. Cackette
Publication_Name	The Journal of the Air & Waste Management Association
Reference	http://www.awma.org/journal/ShowAbstract.asp?Year=&PaperID=517
Abstract	<p>The diesel engine is the most efficient prime mover commonly available today. Diesel engines move a large portion of the world's goods, power much of the world's equipment, and generate electricity more economic than any other device in their size range. But the diesel is one of the largest contributors to environmental pollution problems worldwide, and will remain so, with large increases expected in vehicle population and vehicle miles traveled (VMT) causing ever-increasing global emissions. Diesel emissions contribute to the development of cancer; cardiovascular and respiratory health effects; pollution of air, water, and soil; soiling; reductions in visibility; and global climate change. Where instituted, control programs have been effective in reducing diesel fleet emissions. Fuel changes, such as reduced sulfur and aromatics content, have resulted in immediate improvements across the entire diesel on- and off-road fleet, and promise more improvements with future controls. In the United States, for example, 49-state (non-California) off-road diesel fuel sulfur content is 10 times higher than that of national on-road diesel fuel. Significantly reducing this sulfur content would reduce secondary particulate matter (PM) formation and allow the use of control technologies that have proven effective in the road arena. The use of essentially zero-sulfur fuels, such as natural gas, in heavy-duty applications is also expected to continue. Technology changes, such as engine modifications, exhaust gas recirculation, and catalytic aftertreatment, take longer to fully implement, due to slow fleet turnover. However, they eventually result in significant emission reductions and will be continued on an ever-widening basis in the United States and worldwide. New technologies, such as hybrids and fuel cells, show significant promise in reducing emissions from sources currently dominated by diesel use. Lastly, the turnover of trucks and especially off-road equipment is slow; pollution control agencies need to address existing emissions with in-use programs, such as exhaust trap retrofits and smoke inspections. Such a program is underway in California. These and other steps that be continued and improved will allow the use of the diesel engine, with its superior fuel consumption, to continue to benefit society while greatly reducing its negative environmental and health impacts. The next ten years or so must become the "Decade of Clean Diesel."</p>
	<p>Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/></p>
Title	ACEEE comments to TNRCC
Author	Anna Monis Shipley, R. Neal Elliott, PhD, PE
Publication_Name	AC3E
Reference	http://www.aceee.org/chp/tnrcccomment.pdf
Abstract	<p>The American Council for an Energy Efficient Economy (ACEEE) encourages the adoption of energy-efficient technologies and practices in all sectors of the U.S. economy. We offer a unique perspective that blends engineering, business, and environmental expertise. ACEEE holds the position that distributed generation can be beneficial to both the electricity customer and electricity supplier, while reducing overall air emissions.</p>
	<p>Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Airlines Must Comply With Federal Fuel Standards, Stormwater and Spill Prevention Requirements, and Report Emergency Releases
Author	
Publication_Name	Enforcement Alert
Reference	http://www.epa.gov/compliance/resources/newsletters/civil/enfalert/airlines.pdf
Abstract	<p>Airlines Must Comply With Federal Fuel Standards, Stormwater and Spill Prevention Requirements, and Report Emergency Releases</p>
	<p>Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Article
Title	API Statement on EPA Highway Diesel Panel Report
Author	
Publication_Name	American Petroleum Institute
Reference	http://api-ec.api.org/media/index.cfm?objectid=6C27E5F3-F260-462B-8315C0B550AC8835&method=display_body&er=1&bitmask=001007000000000000
Abstract	WASHINGTON, October 30 – The American Petroleum Institute welcomes today's release of the final report the U.S. Environmental Protection Agency's Clean Diesel Independent Review Panel on technology issues related to the 2006 highway diesel fuel regulations.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Cleaner fuel to ride into market via RTA deal
Author	Bennett, David
Publication_Name	Crain's Cleveland Business, 4/15/2002, Vol. 23 Issue 15, p3, 2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp EBSCO HOST search
Abstract	Reports the collaborative project between the Regional Transit Authority with the U.S. Environmental Protection Agency in Cleveland, Ohio. Availability of low-sulfur diesel fuel for commercial use; Observation of air emissions requirements of the federal government.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Decade of the Clean Diesel Coming, State Air Regulator Tells Orlando Meeting
Author	Drew Douglas
Publication_Name	The AWMA Official Show Daily
Reference	http://www.bna.com/awma2001/story15.html
Abstract	ORLANDO, Fla.--The coming 10 years can become the "decade of the clean diesel" if regulators and industry continue to push new technologies to cut exhaust emissions, a senior California regulator predicted here June 14.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA Mandates Sulfur Cuts in Diesel
Author	
Publication_Name	Chemical Week, 1/3/2001, Vol. 163 Issue 1, p7, 1/6p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Deals with the mandate issued by the United States Environmental Protection Agency concerning sulfur content in diesel fuel. Opposition to the mandate; Percentage reduction in sulfur content.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA Warns Texas Bill May Jeopardize Approval of Houston Smog Plan
Author	Bill Dawson
Publication_Name	Houston Chronicle, Apr 12, 2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp EBSCO HOST search
Abstract	Apr. 12--The Environmental Protection Agency has warned state lawmakers that a bill backed by the oil industry could jeopardize federal approval of Houston's new smog plan.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Factsheet: Dirty Diesel
Author	
Publication_Name	Sierra Club
Reference	http://www.sierraclub.org/cleanair/factsheets/diesel.asp
Abstract	The black choking smoke we see coming from big trucks and buses looks menacing, and it is. Today, one of the biggest problems we face in trying to clean up our nation's air is emissions from diesel engines. Most diesel pollution comes from diesel-powered vehicles, in particular large trucks and buses. Diesel trucks and buses by far the most widespread method of transporting all sorts of products across the country.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	FUEL SUPPLIER SEES A CLEANER FUTURE
Author	Alex Philippidis
Publication_Name	Westchester County Business Journal, 10/23/2000, Vol. 39 Issue 43, p2, 1p
Reference	http://www.powerlibrary.net/Remote/Remote.asp EBSCO HOST search
Abstract	Reports on RAD Energy Corp.'s sale of ultra low-sulfur diesel in Westchester County, New York. Benefits the company will get from a federal mandate requiring cleaner diesel fuel for businesses; Cost of ultra low-sulfur diesel. INSET: Other fuel options.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Future of diesel rule in question
Author	
Publication_Name	Logistics Management & Distribution Report, Feb2001, Vol. 40 Issue 2, p33, 1/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Focuses on status of a proposal to reduce the sulfur content of highway diesel fuel in the United States. Part of the administration of President Bill Clinton; Stricter emission standards for heavy-duty trucks; Environmentalists and health groups' support for the measure.
	Rating: 1 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Industry Trying to Kill New Diesel Protections
Author	
Publication_Name	
Reference	http://www.sierraclub.org/cleanair/news/dieselsuit.asp
Abstract	The National Petrochemical and Refiners Association has filed suit to kill EPA's new diesel clean air standards. Sierra Club, along with other public health and environmental organizations have decided to intervene in that suit to protect the standards.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Kim Hotstart hops on new train. (cover story)
Author	Reed, Paul
Publication_Name	Journal of Business (Spokane), 10/24/2002, Vol. 17 Issue 22, pA1, 2p, 1c
Reference	http://www.powerlibrary.net/Remote/Remote.asp Regional Business News
Abstract	Reports on Spokane, Washington-based Kim Hotstart Manufacturing Co.'s development of a railroad product called the Diesel Driven Heating System (DDHS). U.S. Environmental Protection Agency's (EPA) selection of system for a demonstration project aimed at reducing noise and air pollution from idling railroad locomotives; Marketing agreement made with ZTR Control Systems Inc. to sell the system
	Rating: 1 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Learning Refining
Author	
Publication_Name	PetroStrategies, Inc.
Reference	http://www.petrostrategies.org/LearningRefining.html
Abstract	Crude oil is processed or refined to produce useable products such as gasoline. The process is very complex and involves both chemical reactions and physical separations. Crude oil is composed of thousands of different molecules. It would be nearly impossible to isolate every molecule and make finished products from each molecule. Chemists and engineers deal with this problem by isolating mixtures of molecules according to the mixture's boiling point range. For example, gasoline molecules might boil in the range from 90 to 400 oF. Home heating oil could be from molecular mixtures that boil from 500 to 650 oF. For convenience, the mixtures or fractions are given a name. The following chart illustrates the boiling range and name of the petroleum fraction.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Let's Clear the Air
Author	Joe Fohn
Publication_Name	Technology Today
Reference	http://www.swri.org/3pubs/ttoday/summr96/clear.htm
Abstract	Karl J. Springer, former vice president of the Automotive Products and Emissions Research Division, shares insights on the evolution of emissions research at the Institute and the future of automotive research in general Summer 1996
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Letters on the implementation of the diesel sulfur rule
Author	
Publication_Name	National Petroleum News, Apr2001, Vol. 93 Issue 4, p6, 2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Presents letters on the implementation of the diesel sulfur rule in the United States. Impact of the rule on the availability of an adequate supply of diesel fuel; List of organizations paying attention on the implementation; Suggestion on the revision of the Environmental Protection Agency rule.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Long Beach, Calif., Council Endorses Limits on Idling Trucks at Port
Author	Jason Gewirtz
Publication_Name	Press-Telegram, 08/07/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Aug. 7--LONG BEACH, Calif.--The City Council on Tuesday endorsed an Assembly bill that would cut pollutants from diesel trucks at the port, siding with doctors, environmentalists and residents who said the bill would make the city's air cleaner.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	Long Beach, Calif.-Area Harbor Officials Oppose Anti-Pollution Bill Source
Author	Mark Edward Nero
Publication_Name	Press-Telegram, 08/06/2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Aug. 6--LONG BEACH, Calif.--The Board of Harbor Commissioners on Monday took a formal stand against a state bill to stem pollution by limiting idling trucks a bill the City Council will be called on tonight to endorse.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	MSHA Pursues Rulemaking on Diesel Particulate Matter Exposure
Author	
Publication_Name	Professional Safety, Nov2002, Vol. 47 Issue 11, p12, 1/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports on the U.S. Mine Safety and Health Administration's publication of an advance notice of proposed rulemaking to amend its standard on Diesel Particulate Matter Exposure of Underground Metal and Nonmetal Miners. Response to the legal challenges of the standard.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	NATURAL GAS VEHICLES: Diesel Engine Faces Cleanup.
Author	
Publication_Name	GRID Gas Research Institute Digest
Reference	http://www.gastechnology.org/webroot/app/xn/xd.aspx?xd=10AbstractPage\5278.xml
Abstract	For a field test at the Denver Regional Transportation District (RTD), a bus with a Detroit Diesel Corp. 6V-92 engine was retrofitted with a dual fuel conversion system that permits the use of compressed natural gas ((with the oil. Engine performance...
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	NPRA Asks for Revision of EPA Diesel Sulfur Rule
Author	
Publication_Name	Chemical Market Reporter, 10/08/2001, Vol. 260 Issue 13, p9, 1/6p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports that the National Petrochemical and Refiners Association asked the United States Court of Appeals the D.C. Circuit to send the United States Environmental Protection Agency (EPA) diesel sulfur rule back to the agency for revision. What the groups argue about short supply of diesel fuel; Percent of reduction in highw diesel fuel sulfur levels by mid-2006 under the EPA rule
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Refiners Balk at Texas Diesel Rule; Clean Air Plan under Threat
Author	Neil Strassman
Publication_Name	Fort Worth Star-Telegram, Mar 29, 2001
Reference	http://www.powerlibrary.net/Remote/Remote.asp EBSCO HOST search
Abstract	Mar. 29--AUSTIN, Texas--In the first serious legislative challenge to the state's clean air plans, oil industry officials are threatening to derail the effort by refusing to make a cleaner burning diesel fuel for Texas.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	REFINERS KEEP FIGHTING SULFUR RULE
Author	Franz, Neil
Publication_Name	Chemical Week, 3/14/2001, Vol. 163 Issue 11, p34, 1/2p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Reports on the opposition of the United States petroleum refining industry to a rule regarding the lowering of sulfur content of diesel fuels. Mandates of the rule; Effect of the rule on diesel supplies and prices; Environmental benefits from the rule.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Small Grids Could Solve Big Problems.
Author	
Publication_Name	Consulting-Specifying Engineer, Summer2002 Supplement, Vol. 31 Issue 6, p6, 1/3p
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Reports on a way of organizing distributed generated resources to help avoid some disruptions that device as microturbines and fuel cells can cause to the larger grid in the United States. Strategy to provide extra cc and power security for facility owners and managers; Report released in April 2002 by the Consortium for E Reliability Technology Solutions.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	St. Paul, Minn., High School Students Want Idling School Buses Turned Off
Author	John Welbes
Publication_Name	Saint Paul Pioneer Press, Nov 12, 2002
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Nov. 12--St. Paul high school students, spurred by data on the hazards of diesel exhaust, a Sierra Club proj and a new Minnesota state law, are pressing the district to have idling buses turned off outside schools.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Diesel Sulfur Rule--Further Balkanizing America's Fuel System
Author	
Publication_Name	National Petroleum News, May2001, Vol. 93 Issue 5, p12, 3/5p
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	Asserts that the rule published by the United States Environmental Protection Agency requiring almost a hundred percent reduction in the sulfur content of on-road diesel fuel will only exacerbate the problems of the fuel system. Requirements of the rule; Disadvantages of the application of the rule for petroleum makers; Effective date of rule.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Two Railroad Companies Offer to Curb Emissions if Texas Drops Proposed Rules
Author	Bill Dawson
Publication_Name	Houston Chronicle
Reference	http://www.powerlibrary.net/Remote/Remote.asp Newspaper Source
Abstract	Dec. 5--Two railroad companies have agreed to reduce air pollution voluntarily if state officials drop proposed rules to require them to cut their smog-forming emissions.
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Article
Title	US EPA proposes Mobile Sources Air Toxics rule
Author	
Publication_Name	DieselNet: Engine and Emission Technologies Online
Reference	http://www.dieselnet.com/news/0007epa.html
Abstract	<p>The US Environmental Protection Agency (EPA) has issued a Proposed Rule to Control Emissions of Hazard Air Pollutants from Mobile Sources. The proposal identifies 21 substances that should be considered Mobile Source Air Toxics (MSATs). The list of MSATs includes diesel exhaust, as a whole, along with other compounds that result from fuel. Source: US EPA July 20, 2000</p> <p>combustion in motor vehicle engines, as well as certain metal compounds.</p>
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	WHITMAN SAYS EPA WILL IMPLEMENT DIESEL RULES
Author	
Publication_Name	CongressDaily AM
Reference	http://www.powerlibrary.net/Remote/Remote.asp MasterFILE Premier
Abstract	WHITMAN SAYS EPA WILL IMPLEMENT DIESEL RULES
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Book
Title	Distributed Generation Sourcebook: 2002 Edition
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/2002_DG_Sourcebook_Brochure.pdf
Abstract	The rapidly developing Distributed Generation (DG) market is complex, with many players and stakeholders. Resource Dynamics Corporation has developed the Distributed Generation Sourcebook: 2002 Edition to serve both a learning tool and a handbook for those hoping to understand and benefit from DG. A comprehensive outline of the 106 page Sourcebook. Order Form Captured Only
	Rating: 5 Available Electronically. <input type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	INSTALLED BASE OF U.S. DISTRIBUTED GENERATION: 2003 EDITION
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/2003_Installed_Base_Order_Form.pdf
Abstract	The DG Monitor announces its baseline study, The Installed Base of U.S. Distributed Generation: 2003 Edition is now available for order. Until now, government and industry decision makers have lacked concrete data on how much Distributed Generation (DG) actually exists. This report, which estimates the installed DG base in the U.S. as of January 1, 2001, provides this key, and previously unavailable baseline information to help decision makers at all levels make informed DG policy, regulatory and market decisions.
	Rating: 5 Available Electronically. <input type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	DIRECTORY OF INTERCONNECTION TECHNOLOGIES AND EQUIPMENT 2003
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/2003_Interconnection_Directory_Order_Form.pdf
Abstract	Faced with fewer barriers to interconnection, engineers, planners, and plant managers may soon view DG opportunities to be attractive that were previously considered unfeasible. By listing the equipment and the technologies necessary to interconnect all kinds of DG applications, the DG Monitor's Directory Of Interconnection Technologies And Equipment helps these decision-makers quickly develop a short list of potential interconnection solutions. It also provides contact information for manufacturers and distributors who can help the decision-maker determine the best interconnection solution for a particular application. Consequently, this Directory can be a valuable tool, especially for professionals who are just becoming familiar with interconnection solutions. The directory is available for \$165, or for \$140 for orders of 2 or more.
	Rating: 4 Available Electronically. <input type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Electric Power Systems Quality
Author	Roger C. Dugan Surya Santoso Mark F. McGranaghan H. Wayne Beaty
Publication_Name	Electrotek Concepts
Reference	http://www.electrotek.com/pgbook/index.htm
Abstract	Electric Power Systems Quality, 2e is the clearest, most complete reference for understanding the causes of power quality problems and learning how to prevent them. Nearly twice the size of the first edition, the second edition has been expanded and updated to reflect the increasing sensitivity of microelectronic devices and the ever-growing stress placed upon the power grid.
	Rating: 4 Available Electronically. <input type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type

Book

Title

Estimating the Public Health Benefits of Proposed Air Pollution Regulations (2002)

Author

Publication_Name

Reference

<http://books.nap.edu/books/0309086094/html/index.html>

Abstract

The U.S. Environmental Protection Agency (EPA) has estimated that thousands of premature deaths and numerous cases of illness, such as chronic bronchitis and asthma attacks, could be prevented by reducing exposure to air pollution. These estimates come from regulatory health benefits analyses, which attempt to quantify changes in the expected cases of mortality and illness that are likely to result from proposed air pollution regulations. The estimates are often controversial, and the methods used to prepare them have been questioned. In 2000, Congress recognized concerns about the methods used by EPA and emphasized the need for "the scientifically defensible methodology in estimating health benefits." It directed EPA to ask the National Academy of Sciences "to conduct a study of this issue and recommend to the agency a common methodology to be followed in all future analyses." Summary Only Captured - Complete Text readable on line for free.

Rating: 4

Available Electronically. ☒

Fee Required. ☐

Title

Modeling Mobile-Source Emissions (2000)

Author

Publication_Name

Reference

<http://www.nap.edu/books/0309070880/html/>

Abstract

THE MOBILE SOURCE EMISSIONS FACTOR (MOBILE) model is a computer model developed by the U.S. Environmental Protection Agency (EPA) for estimating emissions from on-road motor vehicles. MOBILE is used in air-quality planning and regulation for estimating emissions of carbon monoxide (CO), volatile organic compounds (VOCs), and nitrogen oxides (NO_x) and for predicting the effects of emissions-reduction programs. Because of its important role in air-quality management, the accuracy of MOBILE is critical. Possible consequences of inaccurately characterizing motor-vehicle emissions include the implementation of insufficient controls that endanger the environment and public health or the implementation of ineffective policies that impose excessive control costs. Billions of dollars per year in transportation funding are linked to air-quality attainment plans, which rely on estimates of mobile-source emissions. Transportation infrastructure decisions are also affected by emissions estimates from MOBILE. Summary Only Captured - Complete Text readable on line for free.

Rating: 3

Available Electronically. ☒

Fee Required. ☐

Title

Review of the Research Program of the Partnership for a New Generation of Vehicles: Seventh Report (2000)

Author

Publication_Name

Reference

<http://www.nap.edu/books/030907603X/html/>

Abstract

This is the seventh report by the National Research Council Standing Committee to Review the Research Program of the Partnership for a New Generation of Vehicles (PNGV). The PNGV program is a cooperative research and development (R&D) program between the federal government and the United States Council for Automotive Research (USCAR). The purpose of this program is to conceive, develop, and implement new technologies capable of significantly reducing the petroleum consumption and carbon dioxide emissions of the U.S. automobile fleet. The founders recognized that, to have substantial impact, this new generation of vehicles must be sold in high volume. This, in turn, requires that the vehicles meet or exceed all emission and safety requirements and offer all of the characteristics that result in strong customer appeal. This report contains the committee's assessment of the overall balance and adequacy of the PNGV research program to meet its technical goals and the program's efforts to develop commercially feasible low-emission propulsion systems. The committee also comments on significant changes that have occurred since the inception of the PNGV program and how these changes might influence this program. Summary Only Captured - Complete Text readable on line for free.

Rating: 3

Available Electronically. ☒

Fee Required. ☐

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Item_Type	Database
Title	BNA Environment & Safety Library
Author	
Publication_Name	BNA, Inc.
Reference	http://www.bna.com/products/ens/eslw.htm
Abstract	This powerful, easy-to-use, continuously updated research collection of federal and state laws, regs, docu and compliance tools is the only source you need for environment and safety information.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Heavy-Duty Diesel Emissions Database
Author	
Publication_Name	EPA
Reference	http://www.epa.gov/otaq/models/analysis/hdd-db7.xls
Abstract	The data in this Excel Spreadsheet file was used in the development of a model correlating diesel fuel propo with emissions of regulated pollutants. The model was developed by the Environmental Protection Agency i resources at Southwest Research Institute. This version of the database includes all repeat data, and all te cycle data that was rejected in this analyses. Additional information about the project can be found at: http://www.epa.gov/otaq/models/analysis.htm .
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	PLATO (Plants, Loads, stranded Assets, Transmission, and Operations) Database
Author	
Publication_Name	Energy OnLine
Reference	http://www.energyonline.com/products/plato.asp
Abstract	PLATO contains data for all utilities and IPPs in the entire United States. Data can be retrieved at any level of grouping such as organization, region, area, state, or council as categorized by the North American Electric Reliability Council (NERC).
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Renewable Electric Plant Information System (REPiS)
Author	
Publication_Name	EERE
Reference	http://www.eere.energy.gov/repis/
Abstract	REPiS is a database which provides information on renewable energy plants and installed capacity for ener planners, policy makers, and others interested in renewable energy. This database contains information on renewable energy generation capacity connected to the utility grid.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Air Facility Subsystem (AFS)
Author	
Publication_Name	
Reference	http://www.epa.gov/compliance/planning/data/air/aboutafs.html
Abstract	The Air Facility Subsystem (AFS) contains compliance data and permit data for stationary sources of air poll regulated by the U.S. EPA, and state and local air pollution agencies. This information is used by the environmental regulatory community to track the compliance status of point sources with various programs regulated under the Clean Air Act. Data Dictionary Only captured.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Database
Title	Distributed Generation Analysis Tool Introduced
Author	
Publication_Name	EERE - DER
Reference	http://www.naseo.org/energy_sectors/power/distributed/default.htm
Abstract	The Distributed Generation Analysis Tool Version 1.0 is now available. With this software, users are able to conduct a 20-year lifecycle cost analysis and assess the environmental impacts of distributed generation technologies. The software is easy to use, requiring some knowledge of utility rates and the characteristics specific DG units. Users input required data and the tool analyzes and generates emissions and operating summaries and financial analyses. Included in the software are five specific scenarios intended to provide a reference and breadth of evaluation alternatives for users and to provide a starting point for testing and assess the functionality of the software. This useful tool was developed by the Science Applications International Corporation with assistance from NASEO and support from the U.S. Department of Energy. See below for download options. For more information, contact Kate Burke at NASEO, kb@naseo.org.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EGRID The Emissions & Generation Resource Integrated Database
Author	
Publication_Name	EPA
Reference	http://www.epa.gov/airmarkets/eGRID/index.html
Abstract	A comprehensive source of data on the environmental characteristics of all electric power generated in the States. An integration of 24 different federal data sources, E-GRID2000 provides information on air pollutant emissions and resource mix for individual power plants, generating companies, states, and regions of the power grid. The data are expressed in terms that allow direct comparison of the environmental attributes of electric generation at any level.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EIA Electricity Database Files
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/cneaf/electricity/page/data.html
Abstract	Electric Generator Databases Electric Utilities Database (Form EIA-861) Electric Utility Demand-Side Management (EIA-861:Schedule V portion of the database only) Includes information on demand-side management efforts in the industry. Major Electric Utilities, Licensees, and Other Database (FERC Form 1) Public Electric Utility Database (Form EIA-412) Monthly Cost and Quality of Fuels for Electric Plants Database (Form EIA-423) Monthly Cost and Quality of Fuels for Electric Plants Database (FERC Form No. 423) EIA - 767 Data Files Current and Historical Monthly Retail Sales, Revenues, and Average Revenue per Kilowatthour by State and Sector (Format: Excel Spreadsheet) Power Plant DatabasesIncludes data on generation, fuel consumption, and stocks. Utilities (Form EIA-906) and Nonutilities (Form EIA-906) Wholesale Electric (Bulk Power) Trade Database Clean Air Act Database Browser
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Database
Title	Form EIA-860A Database Annual Electric Generator Report--Utility
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/cneaf/electricity/page/eia860a.html
Abstract	This is an electric utility generator level data file that includes such information as in-service date, energy source, nameplate capacity, summer and winter capability, etc. Data source is survey EIA-860A: "Annual Electric Generator Report--Utility." The data are compressed into a self-extracting (.exe) zip file that expands into 4 files: 1 plant (PLANTYyy.DBF*), 1 utility (UTILYyy.DBF*), and 2 generator files (TYPE3Yyy.DBF* and TYPE4Yyy.DBF*) and an ASCII layout file (LAYOUT.TXT). Includes in-service date, energy source, nameplate capacity, and summer/winter capability for utility generators.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Form EIA-860B Database Annual Electric Generator--Nonutility
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/cneaf/electricity/page/eia860b.html
Abstract	This is the nonutility generating facility data file that includes such information as company, facility, unit ID, nameplate capacity, generator nameplate capacity, unit type, prime mover, energy source, qualifying facility status, NAICS codes, consumption, heat content, facility generation, generator generation, purchases, sales, utility, facility use, environmental information, generator status, operational status, on-line date. Data source survey EIA-860B: "Annual Electric Generator Report - Nonutility." The data are compressed into a self-extracting (.exe) zip file that expands into 7 DBF files and an ASCII layout file (Layout.txt). Includes company, facility, unit nameplate capacity, unit type, prime mover, energy source, qualifying facility status, NAICS codes, consumption, heat content, generation, purchases and sales, generator status, and on-line date for nonutility generators.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	MAISY Demand Response Databases
Author	
Publication_Name	MAISY
Reference	http://www.maisy.com/drdb.htm
Abstract	MAISY Demand Response Databases include end-use-detailed and program-detailed demand response (DR) potentials and estimated program impacts for a statistically representative sample of individual residential, commercial and industrial customers for every state and utility service area in the US. Customer detail in the databases permits users to determine DR potentials and estimated program impacts for total customer class (residential, commercial and industrial), user-defined customer segments and individual customers. Customer detailed analysis provides a more accurate DR analysis results than those based on "average" customer information.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Petroleum-Based Fuels Property Database
Author	
Publication_Name	
Reference	http://www.ott.doe.gov/fuelprops/
Abstract	The database includes data on various physical, chemical, operational, and environmental, safety, and health properties. These data result from tests conducted according to standard test methods (nearly all are American Society for Testing and Materials, or ASTM, methods). We've included the source and test methods for each data set. Glossary Only Captured
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Database
Title	Platts UDI Catalog of Utility Data
Author	
Publication_Name	Platts UDI (formerly Utility Data Institute)
Reference	http://www.platts.com/udidata/catalog.html
Abstract	Platts UDI is a directory and data base publishing unit of Platts, the energy information group of The McGraw Companies. Including 2000 PRODUCTION COSTS: OPERATING STEAM-ELECTRIC PLANTS, 2000 PRODUCTION COSTS: GAS TURBINE AND COMBINED-CYCLE PLANTS, WORLD ELECTRIC POWER PLANTS DATA BASE
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	BC Research Inc. Alternative Transportation Fuels Database
Author	
Publication_Name	
Reference	http://catf.bcresearch.com/catf/catf.nsf
Abstract	BC Research Inc. staff have maintained this database of technical papers since 1984 to support the technic and business community in the rapidly moving area of alternative transportation fuels. This database is linked from hundreds of other web sites worldwide, as well as a number of prominent corporate Intranets, and has an active user base of tens of thousands of people per year and growing. Due to copyright reasons, BC Research cannot provide copies of any articles catalogued in this database. However, using the source information provided in the listed abstracts, you may be able to obtain a copy of a publication through your local library or commercial document retrieval service.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	BUGS 1 - Database of Public Back-Up Generators (BUGS) in California
Author	
Publication_Name	CEC DER
Reference	http://www.energy.ca.gov/database/2001_PUBLIC_BUGS_INVENTORY.XLS
Abstract	This database was assembled largely from information received from all the air districts in California except Bay Area AQMD, with supplemental information supplied by the California Department of Corrections, The C of Energy Assessments of the California Department of General Services, PG&E, Silicon Valley Power, and major telecommunications company operating in the state. The user of this inventory needs to be aware of several features and assumptions made in assembling elements of the database, as well as several known limitations.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	BUGS 2 - Database of Portable Back-Up Generators (BUGS) in California
Author	
Publication_Name	CEC DER
Reference	http://www.energy.ca.gov/database/2001PORTABLE_BUGS_INVENTORY.XLS
Abstract	This database was extracted from the California Air Resources Board (ARB) database of portable diesel engines permitted for operation in California. Only engines used to power generators with generating capacity greater than 300 kW are included. This list is as of May 2001.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Database
Title	MAISY Utility Customer Databases
Author	
Publication_Name	MAISY
Reference	http://www.maisy.com/energy.htm
Abstract	MAISY (Market Analysis and Information System) Databases have been developed from information on more than 800,000 individual utility customers throughout the US providing a representative sample of residential, commercial and industrial customers for regions, states and utility service areas. Large customer samples v states and service areas maintain the diversity of actual customer populations, providing a more accurate analysis of customers, markets and market segments compared to "average" customer information. For inst market analysis of "average" grocery store hourly loads provides a single result which is applicable only to customers whose energy use characteristics are close to the average whereas MAISY Database systems provide information on the whole range of grocery store customers in the population.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Technology Transfer Network Air Quality System
Author	
Publication_Name	EPA
Reference	http://www.epa.gov/ttn/airs/airsaqs/index.htm
Abstract	This Air Quality System (AQS) technical area is designed primarily for AQS users (state, tribal and local age management, EPA Regional Offices, consultants, and environmental group.) It provides information about th use of the AQS application, software downloads, file formats, background project information, and events i special interest to personnel working with data for the AQS.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Technology Transfer Network Clean Air Technology Center RACT/BACT/LAER Clearinghouse
Author	
Publication_Name	EPA
Reference	http://cfpub1.epa.gov/rblc/htm/bl02.cfm
Abstract	The RACT/BACT/LAER Clearinghouse(RBLC) database contains information distilled from early notification submittals and air permits received from State and local air pollution control programs in the United States. TI RBLC Web site also contains summary information on air pollution emission standards. The data assists State/local agency personnel and private companies in determining what types of controls and pollution prevention measures have been applied to and/or are required for various sources and the effectiveness o technologies. The RBLC Database Query option lets a user interactively query the permit database and the regulation data
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	International Toxicity Estimates for Risk
Author	
Publication_Name	ITER
Reference	http://www.tera.org/iter/
Abstract	ITER is a free Internet database of human health risk values for over 500 chemicals of environmental concer from several organizations worldwide. Only Glossary captured.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type

Database

Title

IRIS - Integrated Risk Information System

Author***Publication_Name***

IRIS

Reference<http://www.epa.gov/iriswebp/iris/>***Abstract***

IRIS is a database of human health effects that may result from exposure to various substances found in the environment. Only Description captured.

Rating: 2***Available Electronically.*** ☒***Fee Required.*** ☐

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Item_Type	Model
Title	Integrated Planning Model (IPM)
Author	
Publication_Name	
Reference	http://www.icfconsulting.com/Markets/Energy/doc_files/IPMglobal.pdf
Abstract	The Integrated Planning Model (IPM®) is the ultimate tool for evaluating all facets of the electric power market. Since IPM's inception in the 1970s, ICF Consulting has utilized IPM for all major analyses of the power market and to guide clients in making critical business decisions.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	The National Energy Modeling System: An Overview 2003
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/oiaf/aeo/overview/pdf/0581(2003).pdf
Abstract	The National Energy Modeling System: An Overview 2003 provides a summary description of the National Energy Modeling System (NEMS), which was used to generate the forecasts of energy production, demand, import and prices through the year 2025 for the Annual Energy Outlook 2003 (AEO2003), (DOE/EIA-0383(2003)), released in January 2003. AEO2003 presents national forecasts of energy markets five primary cases—a reference case and four additional cases that assume higher and lower economic growth and higher and lower world oil prices than in the reference case. The Overview presents a brief description of the methodology and scope of each of the component modules of NEMS. The model documentation reports in the appendix of this document provide further details.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	UPLAN-NPM Model
Author	
Publication_Name	Energy OnLine
Reference	http://www.energyonline.com/products/products.asp
Abstract	NPM simulates the electricity market using market protocol, dispatches electricity with optimal AC power flow algorithm and determines nodal (locational marginal) prices.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Directory of Energy Information Administration Models 2002
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/bookshelf/docs.html
Abstract	Presents an alphabetical listing of all active models. Brief statements regarding each model's title, acronym, purpose, and status are given, followed by more detailed information on characteristics and requirements. Sources for additional information are identified. Pages: 70, released: December 2002, periodicity: Annual, publication number DOE/EIA-0293(2002), contact Mary Ellen Golby (202) 586-1094
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Model
Title	MAISY Utility Service Area DG Policy Models
Author	
Publication_Name	MAISY
Reference	http://www.maisy.com/udganal.htm
Abstract	Basic Utility Service Area DG Policy Models provide an assessment of the current economic potential of eng microturbines, turbines and fuel cells for current customers in every utility service area. Forty DG technolog characterizations are evaluated in the models based on manufacturer and industry data. A complete assess of DG potential applications is conducted including peak clipping applications, baseload systems, waste hea utilization for space heating, water heating and absorption air conditioners.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	NRRI Model Distributed Generation
Author	
Publication_Name	NRRI
Reference	http://www.nrri.ohio-state.edu/programs/electric/distributedgeneration/data/national/modelfiles/modelprocedures.htm
Abstract	These generic Model Procedures for Interconnection of Distributed Generation equipment ("Model Procedure to a distribution-level electric power system are intended for consideration, adoption, or adaptation by State regulatory commissions, their counterparts in local units of government, or by rural electric cooperative organizations. Regulatory orders, resolutions, rules, ordinances, or local laws required for the adoption or adaptation of these model procedures and agreements will be left to the organizations seeking to use them. that reason, no attempt is made to identify or recommend policy for such issues as price, cost responsibility fees, studies or construction, rate or tax treatment, preference for generation type or size, or jurisdictional s which are subject to local conditions and/or regulatory determination.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The National Energy Modeling System: An Overview 2000
Author	
Publication_Name	EIA
Reference	http://tonto.eia.doe.gov/FTPROOT/forecasting/05812000.pdf
Abstract	The National Energy Modeling System: An Overview provides a summary description of the National Energy Modeling System (NEMS), which was used to generate the forecasts of energy production, demand, import and prices through the year 2020 for the Annual Energy Outlook 2000 (AEO2000), (DOE/EIA-0383(2000)), released in November 1999. AEO2000 presents national forecasts of energy markets for five cases—a reference case and four additional cases that assume higher and lower economic growth and higher and lower world prices than in the reference case. The Overview presents a brief description of the methodology and scope each of the component modules of NEMS. The model documentation reports listed in the appendix of this document provide further details.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Air Dispersion Models on EPA SCRAM site
Author	
Publication_Name	EPA
Reference	http://www.epa.gov/scram001/tt22.htm
Abstract	The models offered in this area are currently listed in Appendix A of the Guideline on Air Quality Models (published as Appendix W of 40 CFR Part 51). See Appendix A of the Guideline, posted on the Modeling Guidance page of this website for a summary description of these models: BLP, CALINE3, CDM2, CTDMPPLUS, ISC3, OCD, RAM and UAM-IV.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Model
Title	Government Energy Market Segment Evaluation Tool (GEMSET)
Author	Richard E Weinstein
Publication_Name	
Reference	http://www2.epix.net/~parsons/EvalPLANhome/EvalPFrameset.html
Abstract	<p>The GEMSET product promotes the reasoned evaluation of the economic and environmental prospects of fo electric power generation technologies in the various regions of the United States. The evaluations and toc the GEMSET product allow assessment of the existing plant invenstment and return conditions throughout th U.S. These tools and assessments allow the investigation of different environmental, demand, and fuel pric scenarios that might exist in the various regions, and gives reasoned projections of where these circumsta might be in the future.</p> <p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	NRRI Model Distributed Generation Interconnection Procedures and Agreement
Author	
Publication_Name	NRRI
Reference	http://www.nrri.ohio-state.edu/programs/electric/DistributedGeneration/newbie.html
Abstract	<p>This is an introduction to the NARUC model Procedures and agreement and includes their purpose and how were developed. This also includes acknowledgement to those persons who have contributed directly to th development of the model and the associated resource documents.</p> <p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Paper
Title	Evaluation of Fuel Cell Auxiliary Power Units for Heavy Duty Diesel Trucks
Author	Christie-Joy Brodrick et al
Publication_Name	The eScholarship Repository June 1, 2002
Reference	http://repositories.cdlib.org/cgi/viewcontent.cgi?article=1015&context=itsdavis
Abstract	<p>A large number of heavy duty trucks idle a significant amount. Heavy duty line haul engines idle about 20 - 4 the time the engine is running, depending on season and operation. Drivers idle engines to power climate control devices (e.g., heaters and air conditioners) and sleeper compartment accessories (e.g., refrigerators, microwaves, and televisions) and to avoid startup problems in cold weather. Idling increases air pollution and engine use, as well as wear and tear on engines. Efforts to reduce truck idling in the US have been sporadic, in part because it is widely viewed in the trucking industry that further idling restriction would unduly compromise comfort and truck operations. The auxiliary power units (APUs) available to replace the idling of the diesel traction engine all have had limited trucking industry acceptance. Fuel cells are a promising APU technology. Fuel cell APUs have the potential to greatly reduce emissions and energy use and save money. IN this paper estimate costs and benefits of fuel cell APUs. We calculate the payback period for fuel cell APUs to be about 2.6-4.5 years. This estimate is uncertain since future fuel cell costs are unknown and cost savings from idling vary greatly across the truck fleet. The payback period is particularly sensitive to diesel fuel consumption at Given the large potential environmental and economic benefits of fuel cell APUs, the first major commercial application of fuel cells may be as truck APUs.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Homeland Security Is the Distributed Energy Industry Missing Its Opportunity—and Contribution?
Author	Ritchie Priddy
Publication_Name	Cambridge Energy Research Associates, Inc.,
Reference	http://www.cera.com/home/
Abstract	<p>Security improvements have been implemented at high-profile infrastructure targets such as nuclear power and dams. Yet very little has been done to protect the energy delivery infrastructure. The transportation and distribution networks are large, visible, and impossible to fully protect. Coordinated and even isolated attacks have serious consequences.</p> <p>Distributed energy (DE) may be one of the most effective tools to mitigate the consequences of an attack on power infrastructure by</p> <ul style="list-style-type: none">• placing DE assets along key energy corridors and must-run facilities, such as industrial parks and financial centers• siting the equipment on the customer's premises to increase security• wiring the assets to provide emergency power to nearby facilities using, if necessary, existing grid assets <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Integration of Distributed Energy Resources The CERTS MicroGrid Concept
Author	
Publication_Name	Office of Power Technologies
Reference	http://eetd.lbl.gov/ea/CERTS/pdf/LBNL_50829.pdf
Abstract	<p>Evolutionary changes in the regulatory and operational climate of traditional electric utilities and the emergence of smaller generating systems such as microturbines have opened new opportunities for on-site power generation by electricity users. In this context, distributed energy resources (DER) - small power generators typically located at users' sites where the energy (both electric and thermal) they generate is used - have emerged as a preferred option to meet growing customer needs for electric power with an emphasis on reliability and power quality. A portfolio of DER includes generators, energy storage, load control, and, for certain classes of systems, advanced power electronic interfaces between the generators and the bulk power provider. This white paper proposes the significant potential of smaller DER to meet customers' and utilities' needs can be best captured by organizing these resources into MicroGrids.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Paper
Title	Modeling Distributed Electricity Generation in the NEMS Buildings Models
Author	
Publication_Name	EIA OIAF
Reference	http://www.eia.doe.gov/oiaf/analysispaper/pdf/distgen.pdf
Abstract	<p>Distributed generation refers to the production of electricity in a decentralized facility—in the present context building. This “nontraditional” electricity source has the advantage of allowing the capture of the “waste” heat generation, thereby offsetting the energy requirements of other end uses and potentially lowering total energy requirements across multiple end uses (i.e., the combined requirements for electric energy, space heating energy, and water heating energy). This paradigm contrasts with central generation, where waste heat is a negative externality that is emitted directly into the biosphere. In addition to utilizing heat energy that would otherwise be wasted, on-site generation has the additional efficiency benefit of avoiding the transmission and distribution losses associated with centralized generation and, possibly, the need for upgrades to transmission and distribution grids. Currently, the National Energy Modeling System (NEMS) buildings models characterize several distributed generation technologies: conventional oil or gas engine generation, combustion turbine technologies, and newer, still developing technologies such as solar photovoltaics (PV), fuel cells, and microturbines. This paper describes the modeling techniques, assumptions, and results for the Annual Energy Outlook 2000 reference case. In addition, a series of alternative simulations are described, and key results for distributed generation are presented.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Potential Benefits of Utilizing Fuel Cell Auxiliary Power Units in Lieu of Heavy-Duty Truck Engine Idling
Author	Christie-Joy Brodrick et al
Publication_Name	The eScholarship Repository January 1, 2001
Reference	http://repositories.cdlib.org/cgi/viewcontent.cgi?article=1016&context=itsdavis
Abstract	<p>Truck manufacturers and vehicle component manufacturer are exploring using fuel cell auxiliary units (APUs) in lieu of main engine idling. While fuel cell powertrains continue to face significant technical and economic barriers, the truck auxiliary power application may offer a viable near-term market for small (1-5kW) fuel cell. The University of California, Davis Institute of Transportation Studies (ITS-Davis) has conducted a study to quantify the potential benefits of utilizing APUs in lieu of truck idling. ITS-Davis researchers estimated the potential reductions of (1) air pollutants and greenhouse gases and (2) heavy truck fuel and lubricant consumption through elimination of truck idling. For new tractors, idling is estimated to contribute 0.2 to 0.7 metric tons of nitrogen oxide emissions and 8-24 tons of carbon dioxide per vehicle per year. Thus, depending upon the emissions from fuel cell system production, fuel cell APUs in lieu of idling could substantially reduce pollution emissions and greenhouse gas emissions.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Residential Distributed Energy - Will it Expand Beyond the Standby Market?
Author	Jim Fay, Nicholas Lenssen
Publication_Name	PRIMEN
Reference	http://www.primen.com/index.asp
Abstract	<p>Residential distributed energy (DE) systems for single-family homes have always been the holy grail of DE product developers — a mass market product with millions of potential sales. Yet, the smaller system sizes this market have also presented the toughest economic and technical hurdles. The only DE products that have shown real penetration into homes in North America have been standby systems, though there's a growing interest and market for PVs, particularly in California.</p> <p>Residential energy users also say they're interested in onsite generation systems that can provide baseload power, but their interest rapidly diminishes once they learn what the price for such a system would be. This Perspective looks at the evolution and growth of the residential DE market in the last 2 years, and how it might unfold in the next 3-5 years.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/></p>

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Item_Type	Paper
Title	Assessing Utility Market "Headroom": Pitfalls of Traditional Analysis
Author	
Publication_Name	MAISY
Reference	http://www.maisy.com/isight6.htm
Abstract	<p>Use of aggregate customer-segment load shapes in headroom, or profitability analysis generates unreliable results</p> <p>Determining which competitive markets to enter is one of the most critical strategic decisions facing energy service providers (ESPs) as deregulation continues to creep across state landscapes. The investment required to enter new utility markets is substantial; every state plan differs and many rules are subject to change. Head analysis, i.e., estimation of the difference between current electric rates and the cost of serving customers conducted as part of a decision process which results in a "go" or "no-go" decision concerning new market activity.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	ATA Comments on the EPAs Proposed Rule SIP Texas Low Emission Diesel Fuel
Author	
Publication_Name	TruckLine
Reference	http://www.truckline.com/insideata/litcenter/epa_comments.pdf
Abstract	<p>The American Trucking Associations, Inc. ("ATA") is pleased to submit the following comments in response to the United States Environmental Protection Agency's ("EPA") Notice of Proposed Rulemaking entitled "Approval and Promulgation of Air Quality State Implementation Plans (SIP); Texas: Low Emission Diesel Fuel," 66 Federal Register 20415 (April 23, 2001) (the "Proposed Rule").</p> <p>ATA is the trade association representing the American trucking industry. As the national representative of the trucking industry, ATA is vitally interested in matters affecting the nation's trucking fleet, including the departure from a single national diesel fuel standard for on-road sources. For this reason, ATA is submitting these comments on the Proposed Rule.</p> <p>The membership of ATA strongly supports the achievement of cleaner air and the protection of human health and the environment. At the same time, ATA has serious concerns regarding the Proposed Rule, its impact upon the nation's supply of diesel fuel, and its consistency with the purposes and requirements of the federal Clean Air Act ("CAA" or the "Act").</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Technology and Market Analysis Available for More than 200 Electric Utility Service Areas
Author	
Publication_Name	MAISY
Reference	http://www.maisy.com/pr26.htm
Abstract	<p>Durham, NC. November 14, 2001. Jackson Associates today introduced DG-USA (Distributed Generation - Utility Service Area), a database, software and analysis system which provides detailed energy use, hourly economic, technology and market analysis of distributed generation technologies including engines, turbines, microturbines, fuel cells and other technologies for more than 200 utility service areas across the US and Canada.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation: The New Pivotal Issue for Electric Utilities
Author	Richard T. Stuebi
Publication_Name	Electric Power 2000, Cincinnati, April 2000
Reference	http://www.nextwave-energy.com/pdf/DGPivotal.pdf
Abstract	<p>Distributed generation (DG) technologies will increasingly penetrate a growing share of electricity markets over the next decade. This impending emergence of DG represents an extremely complex and disconcerting issue for electric utilities. To combat these threats and begin repositioning, electric utilities must begin now to make the topic of DG central — not tangential — to their future business development.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Paper
Title	Encouraging distributed generation of power that improves air quality: can we have our cake and eat it too?
Author	Allison, Juliann Emmons; Lents, Ji
Publication_Name	Energy Policy, Jul2002, Vol. 30 Issue 9, p737, 16p, 5 charts, 1 diagram, 11 graphs
Reference	http://www.powerlibrary.net/Remote/Remote.asp Business Source Elite
Abstract	Evaluates the governance structure responsible for regulating energy and environmental policy in the U.S. Categories of air pollution; Analysis of the electricity generation process with heat recovery; Approach for ensuring greater air quality.
	Rating: 4 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA Proposal on Nonroad Diesel Engines and Fuel Sulfur Standards.
Author	
Publication_Name	
Reference	http://www.bna.com/bnaplus/docs/doc_ens.html
Abstract	An Environment Protection Agency document indicates the agency is weighing different approaches to achi the same major cuts in pollution from nonroad diesel engines such as construction and farm equipment that i already has mandated for engines powering highway vehicles. Oct. 30, 2002. 94 pp. \$27.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Fuel Cells Green Power
Author	
Publication_Name	Los Alamos Education Resources
Reference	http://education.lanl.gov/resources/fuelcells/fuelcells.pdf
Abstract	The Automobile, it is fair to say, changed the industrial and social fabric of the United States and most count around the globe. More people are driving more cars in 1999 than ever before - more than 200 million vehicle on the road in the U.S. alone. But the car has contributed to our air and water pollution and forced us to rely imported oil, helping to create a significant trade imbalance. Today many people think fuel cell technology wil a pivotal role in a new technological renaissance - just as the internal combustion engine vehicle revolutioniz life at the beginning of the 20th century. Today's innovations in fuel cell technology are addressing local, nat and global environmental needs. The decision to become involved with bringing these innovations into our d: lives is a strategic career opportunity. Fuel cells offer an opportunity for innovation. Helping to make fuel cell a part of the solution might be a challenge that's too exciting to ignore.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Paper
Title	Fuel Effects on Fuel Reforming Operation and Start-up for Transportation Fuel Cell Systems
Author	Rodney Borup
Publication_Name	AICHE, Fuel Processing Session I: Modeling and System Integration Monday, March 31, 2003
Reference	http://www.aiche.org/conferences/techprogram/paperdetail.asp?PaperID=657&DSN=spring03
Abstract	<p>Fuel cells have high efficiency for conversion fuel to electricity. However, most types of fuel cells do not have power density and efficient operation directly from existing hydrocarbon fuels, thus require fuel reforming. The fuel used for fuel cells systems are likely to be different for differing fuel cell applications, and range from hydrogen, light hydrocarbons such as natural gas, to heavier hydrocarbons such as gasoline and diesel fuel. Potential transportation applications for fuel cells include both the prime mobility power and auxiliary power production on-board vehicles, operation of which may be with the heavier hydrocarbons. Fuel cell systems show long-term durability under challenging conditions to enable commercialization for transportation applications.</p> <p>Modeling Results</p> <p>Modeling of air/steam/diesel fuel mixtures indicate that graphitic carbon is favored until relatively high steam content. Even though the thermodynamics are favorable for the formation of solid graphite, solid graphite does not actually form experimentally, even when the conditions are favorable for that formation. The carbon that is termed amorphous carbon to distinguish from graphite. There seem to be at least three amorphous forms, all are slightly different and all have slightly different thermodynamic functions. Differences in pressure show a slight change in the results. The temperature differences are more significant and it appears that the higher temperature the closer the similarity between the amorphous carbons and the graphite.</p> <p>Experimental Results</p> <p>The partial oxidation and steam reforming of diesel fuel components and kerosene has been conducted in comparison with traditional gasoline and gasoline components. In comparison to similar reactions with gasoline components, diesel fuels require an additional reactor residence time of about 4x for similar hydrocarbon conversion. Diesel fuel components were also found to be more susceptible to pre-combustion, when mixed with air than comparable gasoline mixtures. Different types of kerosene were found to have different pre-ignition tendencies, depending upon deodorization. This complicates reactor design and operation, especially considering seasonal variations in diesel fuel characteristics.</p> <p>Analysis of carbon formed during the partial oxidation and steam reforming of liquid hydrocarbons shows that carbonaceous deposits depending upon operating and formation conditions. Carbon formed in the steam reforming sections appears to be 'amorphous' carbon, but still with a small amount of hydrogen present, with an overall composition of C₁H_{0.2}. This composition was estimated by initial weight change during TGA (thermogravimetric analysis). Carbon deposits also form downstream of a steam reformer with fuels containing aromatics; these carbonaceous materials contain about 30% by weight hydrocarbon.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	How are the new diesel fuel rules affecting supply, prices?
Author	Emond, Mark
Publication_Name	National Petroleum News, Nov93, Vol. 85 Issue 12, p12, 1p, 2 charts
Reference	http://www.powerlibrary.net/Remote/Remote.asp EBSCO HOST search
Abstract	<p>Reports on how federal and California diesel fuel regulations are affecting availability and prices. Requirements for new regulations; Impact; Statistics; Anticipated problems.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Paper
Title	Liquid Fuel Reformer Development Autothermal Reforming of Diesel Fuel
Author	C. Pereira, J-M Bae, S. Ahmed, and M. Krumpelt
Publication_Name	U.S. Department of Energy 2000 Hydrogen Program Technical Review San Ramon, California
Reference	http://www.eren.doe.gov/hydrogen/pdfs/28890ss.pdf
Abstract	<p>Argonne National Laboratory is developing a process to convert hydrocarbon fuels to clean hydrogen feed polymer electrolyte fuel cell. The process incorporates an autothermal reforming catalyst that can process hydrocarbon feeds at lower temperatures than existing commercial catalysts. We have tested the catalyst with three diesel-type fuels: exadecane, certified low-sulfur grade 1 diesel, and a standard grade 2 diesel. Hexadecane yielded products containing 60% hydrogen on a dry, nitrogen-free basis at 850°C, while maximum hydrogen product yields for the two diesel fuels were near 50%. Residual products in all cases included CO, CO₂, ethane, and methane. Further studies with grade 1 diesel showed improved conversion as the water ratio was increased from 1 to 2 at 850°C. Soot formation was reduced when the oxygen:carbon ratio was maintained at 1 at 850°C. There were no significant changes in hydrogen yield as the space velocity and the oxygen:fuel ratio were varied. Tests with a microchannel monolithic catalyst yielded similar or improved hydrocarbon levels at higher space velocities than with extruded pellets in a packed bed.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Micropower The Next Electrical Era - Worldwatch Paper 151
Author	Seth Dunn
Publication_Name	Worldwatch Paper 151
Reference	http://www.worldwatch.org/pubs/paper151.html
Abstract	<p>Electricity is returning to its origins: generating power on a relatively small scale, close to where it is actually consumed. Technological, economic, and environmental trends are turning a family of "micropower" devices into increasingly viable choices for meeting electrical needs. Use of these generators can avoid expensive investments in large central power stations and transmission and distribution systems, provide greater reliability, and leave a light ecological footprint. July, 2000 ISBN 1-878071-53-x</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Plasma Reforming of Diesel Fuel
Author	L. Bromberg, A. Rabinovich, N. Alexeev, and D.R. Cohn
Publication_Name	American Chemical Society Meeting, Anaheim CA (March 1999)
Reference	http://www.psfc.mit.edu/library/99ja/99ja004/99ja004_full.pdf
Abstract	<p>The use of a plasma reformer for the generation of hydrogen rich gas from diesel fuel has been investigated. A system that is normally used for investigating natural gas reforming has been modified in order to investigate the reforming of heavy liquid fuels. The composition of the reformat has been investigated as a function of the composition of the reagents. The use of a one-step reformer/water shifter was studied. Good reforming, with noticeable soot production, was obtained. The specific energy consumption was equal to that previously observed with methane reforming, with much reduced concentration of methane in the reformat.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Paper
Title	Reliability and Distributed Generation AN ARTHUR D. LITTLEWHITE PAPER
Author	
Publication_Name	DTE Energy Technologies
Reference	http://www.dtetech.com/pressroom/pdf/reliability2000.pdf
Abstract	<p>This white paper describes the reliability problems that have developed within the U.S. electric power system and demonstrates how Distributed Generation (DG) can provide an effective solution to those problems for both system and individual customers. Additional economic, technical, and policy context for these policy discussions is provided by three other white papers in this series: "Distributed Generation: Understanding the Economics," "Distributed Generation: System Interfaces," and "Distributed Generation: Policy Framework For Regulators." These discussion documents are designed to assist regulators, legislators, and other interested parties in understanding and evaluating issues associated with DG as they develop informed policies that will shape the future of the US electricity industry.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Solid Oxide Fuel Cell Auxiliary Power Unit
Author	Zizelman, Shaffer, Mukerjee
Publication_Name	Delphi Automotive Systems
Reference	http://www.delphi.com/pdf/techpapers/2002-01-0411.pdf
Abstract	<p>Delphi Automotive Systems and BMW are jointly developing Solid Oxide Fuel Cell (SOFC) technology for application in the transportation industry primarily as an onboard auxiliary power unit (APU). In the first application of this joint program, the APU will be used to power an electric air conditioning system without the need for operating the vehicle engine.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Role of Distributed Generation in Competitive Energy Markets
Author	
Publication_Name	Gas Research Institute
Reference	http://www.gri.org/
Abstract	<p>Small power generation units (typically less than 30 MW) strategically located near consumers and load centers that provide benefits to customers and support for the economic operation of the existing power distribution system. This paper describes the role of distributed generation (DG) in current and emerging energy markets. The discussion focuses on the following topics: DG Technologies, Applications for DG, Benefits of DG, Electric Industry Restructuring, Stakeholder Roles and Perspectives,</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Using Distributed Energy Resources
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy02osti/31570.pdf
Abstract	<p>As one of today's busy Federal facility or energy managers, you may be seeking ways to solve problems such as high energy costs or low electric power reliability at your facility. If so, distributed energy resources (DER) could be the solution you're looking for.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Paper
Title	A Comparison of Emissions From Clean Diesel Fuels
Author	Mitsuru Uchida and Yukio Akasaka
Publication_Name	International Congress & Exposition, March 1999, Detroit, MI, USA, Session: Alternative Fuels for CI Engines
Reference	http://www.sae.org/servlets/productDetail?PROD_TYP=PAPER&PROD_CD=1999-01-1121
Abstract	A Comparison of Emissions From Clean Diesel Fuels
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	ATA Comments on the EPA OTAQs Report The Effects of Cetane Number Increase Due to Additives on NOx Emissions from Heavy Duty Highway Engines
Author	
Publication_Name	TruckLine
Reference	http://www.greentruck.com/air_emissions/ata_cetane_final.pdf
Abstract	<p>The American Trucking Associations, Inc. ("ATA") submits the following comments in response to the U.S. Environmental Protection Agency's ("EPA" or "Agency") Draft Technical Report entitled The Effects of Cetane Number Increase Due to Additives on NOx Emissions from Heavy-Duty Highway Engines ("Draft Technical Report").¹</p> <p>ATA is the trade association representing the American trucking industry) As the national representative of trucking industry, ATA is vitally interested in matters affecting the nation's trucking fleet, including the use of boutique diesel fuels.³ The membership of ATA strongly supports the achievement of cleaner air and the protection of human health and the environment. At the same time, ATA has serious concerns regarding EPA efforts to quantify NOx reductions by increasing the cetane number of diesel fuel ("cetane controls"). This effort will encourage states to depart from the national diesel fuel standard in an attempt to secure additional NOx reduction credits.</p> <p>ATA is particularly concerned over the inaccuracy of the technical report. On October 26, 2001, ATA submitted comments to EPA on its staff discussion document entitled Strategies and Issues in Correlating Diesel Fuel Properties with Emissions and EPA's proposed Diesel Fuel Impact Model ("DFIM"). ~ At that time, ATA contracted with Sierra Research, Inc. ("Sierra") for assistance in evaluating the report and the DFIM. Sierra's report concluded that EPA's proposed DFIM did not accurately predict emissions changes resulting from various fuel parameters (See Attachment A).⁵ EPA's efforts to quantify the effects of cetane controls under the Draft Technical Report suffer from the same deficiencies as the DFIM since the methodology and database are similar. There are several reasons that the proposed quantification does not work, the most significant is the data from which the predictive equations were derived are not representative of the fuels and engines that dominate our nation's roadways.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Comparison of In-Use Emissions From Diesel and Natural Gas Trucks and Buses
Author	Chris S. Weaver and Marco Balam
Publication_Name	International Truck & Bus Meeting & Exposition, December 2000, Portland, OR, USA, Session: Natural Gas Vehicles
Reference	http://www.sae.org/servlets/productDetail?PROD_TYP=PAPER&PROD_CD=2000-01-3473
Abstract	Comparison of In-Use Emissions From Diesel and Natural Gas Trucks and Buses
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Tuesday, March 18, 2003

Item_Type	Paper
Title	Distributed Renewable Energy & The Environment: Developed Nation Drivers and Barriers
Author	Joel N. Gordes
Publication_Name	Environmental Energy Solutions
Reference	http://home.earthlink.net/~jgordes/DR-Columbia.PDF
Abstract	<p>More than anything it has been technology which has driven deregulation of the electric industry since it became possible to capture high thermal efficiency, once only afforded to large steam plants, in relatively small gas turbines which could be economically located for on-site use. Due to the environmental excellence of combined cycle gas turbines and even a new generation of simple cycle turbines which will proliferate under utility restructuring, many of the traditional environmental drivers such as toxic air emissions will no longer stand as most powerful arguments for renewable energy. Other short-term arguments which are economic-based such as reliability, power quality and energy security will be in the forefront before longer term environmental drivers again become preeminent.</p> <p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Solid-oxide fuel cell auxiliary power unit: a paradigm shift in electric supply for transportation
Author	by James Zizelman and Dr. Jean Botti of Delphi Automotive Systems and Joachim Tachtler and Wolfgang Strasser of the BMW Group
Publication_Name	
Reference	http://www.delphi.com/pdf/techpapers/solid_oxidetech.pdf
Abstract	<p>Delphi Automotive Systems is developing SOFC systems for automotive applications. This program, started in 1999 in a joint effort with BMW, has demonstrated the basic viability of using a SOFC system as an automotive APU (1). This article describes the trend to high-power and high-efficiency electrical systems and the role that fuel cells may have in this trend to vehicle electrification. It compares proton exchange membrane (PEM) and SOFC technologies in achieving this high-performance electrical system. It continues with a description of the SOFC APU mechanization with discussion of several of the key subsystems. It concludes with some vision on target applications and future mechanizations.</p> <p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	BP plc Impact of our Products
Author	Ernst and Young
Publication_Name	BP plc
Reference	http://www.bp.com/enviro_social/environment/impact_products/index.asp
Abstract	<p>We use approximately 10% of the fossil fuel we extract to power our operations, and supply the remaining 90% to our customers. The impacts of our products on global warming and other environmental issues associated with burning fossil fuels are therefore much more extensive than the impacts from our own operations. We recognize the need to produce cleaner products and work with others to increase their efficient use in order to reduce the environmental impact of our products.</p> <p>Our approach to this challenge is a combination of initiatives, many in partnership with other industries and organizations. Some of these will reduce the impact of our products in the short term. Others are dependent on technological development and will deliver future environmental benefits.</p> <p>Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	ECONOMIC WHITE PAPER Comparing CNG and Low Sulfur Diesel Fuel/Vehicles
Author	
Publication_Name	EC-Diesel
Reference	http://ecdiesel.com/whtpapercng.html
Abstract	<p>Low sulfur diesel fuel, coupled with after-treatment, provides comparable particulate emissions to compressed natural gas (CNG) vehicles. However, low sulfur diesel and after-treatment can achieve this beneficial emission performance much more cost-effectively than CNG.</p> <p>Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Paper
Title	FREEDOMAIR for Diesel Engines: Low Engine-Out Emissions of NOx and PM with High Power Density
Author	Robert M. Rutherford and Paul F. Dunn
Publication_Name	Rotec Design Ltd
Reference	http://www.rotectedesign.com/TechPaper/page1.htm
Abstract	<p>DI diesels continue to be strongly challenged by the projected TierII/ULEV and Euro IV emissions standards. These limits presently appear beyond the diesel's practical reach.</p> <p>While the DI diesel engine can offer advantages in a wide variety of applications, its future use will be large dictated by its ability to make significant progress in the area of emissions reduction.</p> <p>This paper describes the current focus of diesel engine emissions reduction, and a novel method of achieving lower emissions of both NOx and PM, while retaining or improving torque/power density and fuel efficiency. Cycle changes such as the proposed FREEDOMAIR system could offer a solution to the industry in meeting regulatory requirements within acceptable cost and build parameters, whilst still offering complementary solutions to proposed technologies such as the lean NOx catalyst if and when these technologies come on stream. A high performance advanced air scavenging system such as FREEDOMAIR described below can offer a high excess air ratio operation with high power density, improved fuel conversion efficiency and dramatically reduced NOx, smoke and particulates.</p> <p>Importantly, these improvements are "at -source".</p>
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Fuel Effects on Diesel Combustion Processes
Author	Clasen, E.; Song, K.; Campbell, S.; Rhee, KT
Publication_Name	RUTGERS - THE STATE UNIV NEW BRUNSWICK NJ DEPT OF MECHANICAL INDUSTRIAL AND AEROSPACE ENGINEERING
Reference	http://stinet.dtic.mil/cgi-bin/fulcrum_main.pl?database=ft_u2&searchid=104214441512143&keyfieldvalue=ADA321748&filename=%2Fdata%2FTR_fulltext%2Fdoc%2FADA321748.pdf
Abstract	<p>The crank angle locations for the first occurrences of several main combustion events in a Diesel engine were investigated for varied fuel parameters. The events studied include: preflame reactions; premixed flame propagation; start of pressure rise; maximum rate of pressure rise (dp/dt); and peak cylinder pressure. The fuels employed in the study were in two groups: (1) Base fuel-1 and derivatives prepared by mixing it with small amounts of a cetane number (CN) enhancing additive; and (2) Base fuel-2 and those made by adding different amounts of bio-Diesel fuel. The experiment was performed by using a single-cylinder direct-injection (DI) Diesel engine equipped with an electronically controlled high-pressure fuel injection unit. The in-cylinder processes during periods of ignition delay and combustion reaction were measured by using a high-speed multispectral infrared (IR) imaging system developed at Rutgers University. The other events were found from the pressure-time history. The purpose of using these fuels was to investigate: additive effects on the (invisible) preflame reaction and visible premixed flame development; flame behaviors of bio-Diesel fuels; CN effects on in-cylinder reaction and others. There is some evidence that the formation of the visible flame kernels may not be directly related to the preflame reactions when the additive is used to increase CN. The reactions during the ignition delay of bio-Diesel fuels were rather unpredictable, therefore requiring additional investigation. Among the most indicative timelines for determining a fuel's CN were those of: the maximum dp/dt; the start of pressure rise; the first premixed flame; and the peak pressure. The timeline of maximum dp/dt seems to be most insensitive to the variation of injection timing. Some new findings are also reported in the paper. ANNOTATION: Reprint: Fuel Effects on Diesel Combustion Processes.</p>
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Emissions From Buses With Ddc 6v92 Engines Using Synthetic Diesel Fuel
Author	Paul Norton and Keith D. Vertin et al
Publication_Name	International Fuels & Lubricants Meeting & Exposition, May 1999, Dearborn, MI, USA, Session: Alternative Fuels
Reference	http://www.sae.org/servlets/productDetail?PROD_TYP=PAPER&PROD_CD=1999-01-1512
Abstract	Emissions From Buses With Ddc 6v92 Engines Using Synthetic Diesel Fuel
	Rating: 1 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type Paper

Title ExxonMobil Products and Services Diesel

Author

Publication_Name ExxonMobil

Reference http://www.exxon.com/USA-English/GFM/Products_Services/Fuels/Diesel_Fuels.asp

Abstract We provide two quality grades of diesel fuel. Each is produced and held up to the highest standards for you your vehicle. In addition, we market a premium diesel fuel for those who want the benefits of detergency and improved lubricity. Our diesel fuels are also available to commercial and industrial accounts through a variety of sales channels, including bulk delivery. For more information on how to buy bulk diesel fuel, please contact

Rating: 1 **Available Electronically.** ☒ **Fee Required.** ☐

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Item_Type	Presentation
Title	Associated Barriers to Distributed Generation
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/UIT_Cutler.pdf
Abstract	DG System Topics System Coordination Issues Present Day UIT System Issues Power Quality Concerns Utility/Regulating Body Paradigm Shift
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Air Quality Considerations
Author	JN Carras
Publication_Name	
Reference	http://www.cendep.csiro.au/pdf/j_carras.pdf
Abstract	Summary <ul style="list-style-type: none"> • The air quality issues associated with DG include NOx, Ozone and PM • The potential air quality impact of DG need to be assessed carefully as interactions between emissions, meteorology and chemistry are complex • Emission rates of pollutants under actual operating conditions are required • New tools are constantly being developed for impact assessment
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Emissions from Distributed Generation
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/Emissions.PDF
Abstract	A summary of air emissions from DG equipment presented to the California Energy Commission on April 20, 2000, by Sheryl Carter.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Fuel Cell Initiatives and Future Applications in the U.S. Navy and U.S. Marine Corps
Author	Dr. Richard T. Carlin
Publication_Name	Solid State Energy Conversion Alliance Workshop
Reference	http://www.seca.doe.gov/Events/Arlington/Carlin%20SECA%20Presentation.pdf
Abstract	Presentation from Second Solid State Energy Conversion Alliance Workshop Arlington, Virginia March 29-31 2001
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Presentation
Title	Will Increasing the Use of Distributed Generation Cause Brownouts in Air Quality?
Author	
Publication_Name	EPA
Reference	http://www.eere.energy.gov/der/pdfs/mid_atlantic_conf_02/judy_dg.pdf
Abstract	Peak load days most often occur in the hot summer months and may correspond with Ozone alert days - a time for NOx emissions and diesel generators. In order to expand the use of DG while maintaining clean air it be necessary to encourage the employment of new DG technologies such as fuel cells, gas microturbines, photovoltaic and wind, while simultaneously imposing mandatory pollution controls on diesel units.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Its Role in Emerging Economies
Author	Rajat K. Sen Chris Namovicz Jennifer Kish
Publication_Name	SENTECH, INC.
Reference	http://www.nrel.gov/china/pdfs/re_forum/distributed_generation.pdf
Abstract	Distributed generation is defined as "retail power" sited either on or in close proximity to the end-user. - Located on "Power Distribution System". - Potential size varies from 5 kW to 50 MW. - Distributed Resources includes both distributed generation and the enabling technologies which provide for integration, communication and control of the asset in electrical distribution systems.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation Operational Reliability and Availability Database
Author	
Publication_Name	EERE - DER
Reference	http://www.eere.energy.gov/distributedpower/research/distributed_gen_database.html
Abstract	Many distributed generation systems are in operation across the country and around the world. Knowing the performance history of these systems can help others considering distributed generation select appropriate technologies and arrangements for their specific needs. Through DOE, operational reliability data for various distributed generation systems is being collected in a database. This database will not only help potential distributed generation users but also quantify the potential benefits of such systems for policymakers. Industrial DG Market Transformation Tools: DG Operational Reliability and Availability Database (PDF 1.92 MB) Presented at the Distributed Power Program Quarterly Review, July 2002, in Madison, Wis. Industrial DG Market Transformation Tools (PDF 348 KB). Presented at the Distribution and Interconnection R&D Annual Review, 2003, in Arlington, Va.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	DR Cost Impacts on T&D Systems
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/DR_Cost_Impacts_on_T&D.pdf
Abstract	What's the DR Market Opportunity Facilities use DR to generate power on-site in lieu of grid purchases Cutting energy costs is a primary motivation, but boosting reliability and quality of power is also a driver Getting closer examination – DR as an alternative to T&D construction
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Presentation
Title	ECEEE - 2001 Energy Web
Author	Mike Hoffman,
Publication_Name	BPA
Reference	http://www.bpa.gov/energy/n/tech/energyweb/docs/slidespubs/eceee - 2001 energy web.pdf
Abstract	Where did the Energy Web concept come from: The past versus the future - centralized versus web resources Examples of the Energy Web - associated issues & benefits Generation, renewables, enabling technologies What BPA has done in the last year What BPA is planning to do in the next year
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Fuels and Emissions: Lessons Learned in the U.S.
Author	Lester Wyborny II Lester Wyborny II U.S. Environmental Protection U.S. Environmental Protection Agency
Publication_Name	Asian Development Bank Conference
Reference	http://www.adb.org/Documents/Events/2001/RETA5937/New_Delhi/documents/nd_04_wyborny.pdf
Abstract	Presentation from Asian Development Bank Conference on Fuel Quality & Alternative Fuels 2-4 May 2001, New Delhi, India
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	SITING OF DR UNITS: RULES OF THE GAME
Author	
Publication_Name	Distributed-Generation.com
Reference	http://www.distributed-generation.com/Library/DR_Siting_Rules.pdf
Abstract	The siting game What DR is being sited? How are siting rules evolving? Who is siting/installing DR? Eight guidelines for DR siting
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Move to Cleaner Fuels An Oil Industry Perspective
Author	Alan Gissing Senior Fuels Engineer BP Australia
Publication_Name	Asian Development Bank Conference
Reference	http://www.adb.org/Documents/Events/2001/RETA5937/New_Delhi/documents/nd_05_gissing.pdf
Abstract	Presentation from Asian Development Bank Conference on Fuel Quality & Alternative Fuels 2-4 May 2001, New Delhi, India
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Transportation Technology for the 21st Century Fuel Cells
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/china/pdfs/re_forum/transportation_technology_fuel_cells.pdf
Abstract	Outline of Presentation; Fuelcells – Basic Principles, Technology Overview; Industry Activity – Development Fuel Cell Vehicles; Sustainable Transportation – Strategic Implications of Fuel Cells – Fuel Choice
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Presentation
Title	Diesel Exhaust: Health Impacts and Control Programs
Author	Mike McCarthy
Publication_Name	18th Annual Mobile Sources/Clean Air Conference 9/12/2002
Reference	http://www.ncvecs.colostate.edu/cac.docs/cac18.docs/cac18pres/MMcCarthy2.pdf
Abstract	Toxic Air Contaminant - an air pollutant which may cause or an air pollutant which may cause or contribute to increase in mortality or contribute to an increase in mortality or in serious illness, or which may pose a present or potential hazard to human health or contribute to a present or potential hazard to human health. Properties of Diesel Exhaust - Includes over 40 substances listed by the U.S. EPA as Hazardous Air Pollutants and U.S. EPA as Hazardous Air Pollutants and the Air Resources Board as Toxic Air Contaminants
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Health and Environmental Impacts of Motor Vehicle Emissions
Author	Michael P. Michael P. Walsh
Publication_Name	Asian Development Bank Conference
Reference	http://www.adb.org/Documents/Events/2001/RETA5937/New_Delhi/documents/nd_01_walsh.pdf
Abstract	Presentation from Asian Development Bank Conference on Fuel Quality & Alternative Fuels 2-4 May 2001, New Delhi, India
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Vehicle Technology Programs
Author	Thomas J. Gross Deputy Assistant Secretary
Publication_Name	Solid State Energy Conversion Alliance Workshop
Reference	http://www.seca.doe.gov/Events/Arlington/Gross%20SECAworkshopMarch01.pdf
Abstract	Presentation from Second Solid State Energy Conversion Alliance Workshop Arlington, Virginia March 29-30 2001
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Voluntary Diesel Retrofit Program
Author	Jim Blubaugh
Publication_Name	18th Annual Mobile Sources/Clean Air Conference 9/12/2002
Reference	http://www.ncvecs.colostate.edu/cac.docs/cac18.docs/cac18pres/JBlubaugh.pdf
Abstract	What is the Voluntary Diesel Retrofit Program? • A voluntary program designed to install pollution-reducing technology on existing diesel vehicles and equipment. We are building a market for clean diesel concepts – Accelerating the delivery of ULSD Accelerating the delivery of ULSD – Forging business partnerships and relationships Forging business partnerships and relationships – Investing EPA Investing EPA resources to accelerate market growth
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Presentation
Title	Diesel I/M Practical Solutions or Just Blowing Smoke?
Author	Peter Anyon
Publication_Name	18th Annual Mobile Sources/Clean Air Conference 9/12/2002
Reference	http://www.ncvecs.colostate.edu/cac.docs/cac18.docs/cac18pres/PAnyon.pdf
Abstract	Why Worry? = Diesel Particulates (PM) ".....long-term inhalation exposure is likely to pose a lung cancer haz to humans, as well as damage the lung in other ways depending on exposure" (EPA 2002) = Oxides of Nitrogen (NOx) - key ingredient of photochemical smog - direct health effects
Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	

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Item_Type	Report
Title	ABI Distributed Generation Global Market Analysis, Technology Assessment and Outlook
Author	ABI
Publication_Name	ABI
Reference	http://www.alliedworld.com/servlets/ResearchDetails?productid=DGN
Abstract	The global power generation infrastructure is undergoing a series of changes due to shifts in the regulatory environment and the increasing commercial viability of new technologies. Energy generation is steadily moving into the hands of privately-owned enterprises and away from organizations that are directly owned or controlled by governments. This trend combined with the emergence of technologies such as gas turbines, reciprocating engines, fuel cells, wind turbines, photovoltaics and microturbines will create entire new markets. This report assesses the prospects for these technologies with proper consideration of pertinent regulatory and business issues. Market forecasts are provided for key regions/countries through to 2011. The report will aid major power generation companies and equipment manufacturers as they seek to exploit emerging opportunities in distributed generation markets.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Accommodating Distributed Resources in Wholesale Markets
Author	F. Weston, C. Harrington, D. Moskovitz, W. Shirley, R. Cowart, and R. Sedano
Publication_Name	National Renewable Energy Laboratory
Reference	http://www.nrel.gov/docs/fy03osti/32497.pdf
Abstract	Changes in electricity markets, technology, economics, and regulatory structures have created a new interest in small-scale generation and efficiency resources dispersed throughout the low-voltage networks. These "distributed" resources can provide cost-effective reliability and energy services — in many cases, obviating the need for more expensive investments in wires and central generating stations. Given the unique features of distributed resources, the challenge facing policymakers today is how to structure wholesale markets for electricity and related services so as to reveal the full value that distributed resources can provide to the system.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Air Pollution Emission Impacts Associated with Economic Market Potential of Distributed Generation in California
Author	
Publication_Name	EERE - DER
Reference	ftp://ftp.arb.ca.gov/carbis/research/apr/past/97-326.pdf
Abstract	This study evaluates the net air emissions effects from the potential use of cost-effective distributed generation (DG) in California. The primary objectives of the study are, first, to estimate the economic market potential for distributed generation, and second, to determine the resulting air emissions given that level of deployment. The ultimate goal is to provide regulators and policymakers with information that will contribute to the development of strategies and policies regarding distributed generation.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Annual Energy Outlook 2003
Author	
Publication_Name	Energy Information Administration
Reference	http://www.eia.doe.gov/oiaf/aeo/index.html
Abstract	The Annual Energy Outlook 2003 (AEO2003) presents midterm forecasts of energy supply, demand, and prices through 2025 prepared by the Energy Information Administration (EIA). The projections are based on results from EIA's National Energy Modeling System (NEMS).
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type

Report

Title	CALIFORNIA ENERGY COMMISSION Distributed Generation Strategic Plan
Author	
Publication_Name	
Reference	http://www.energy.ca.gov/reports/2002-06-12_700-02-002.PDF
Abstract	This document contains recommended policies and strategies for the State of California to consider regarding the subject of distributed generation and the State's role in regard to it.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Can we have cake and eat it too? Creating Distributed Generation Technology to Improve Air Quality
Author	Jim Lents, Ph D
Publication_Name	University of California, Riverside, CE-CERT
Reference	http://www.ef.org/documents/DG_Emissions_Regs.pdf
Abstract	This report, titled Can We Have Our Cake and Eat It Too? Creating Distributed Generation Technology to Improve Environmental Quality by Jim Lents, Ph.D., examines DG emissions levels and recommends a framework for DG emissions regulations.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Comparison of the GEMSET, IPM®, and NEMS Policy Support Models
Author	R.E.Weinstein
Publication_Name	Parsons
Reference	
Abstract	Several computer-assisted modeling systems assist the evaluation of NETL technologies and strategies. These help provide the information needed assess the impacts of various policy decisions. This paper summarizes three of these models: the NETL GEMSET model, the ICF IPM® model, and the EIA NEMS model. These models have complimentary capabilities, some better for certain types assessments than others. The summaries here describe the models, and then compare the models in the following capability areas:
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Competitive Power Market Analysis for WSCC, ERCOT, MAIN, ECAR, NPCC, SPP, FRCC, SERC, MAPP and MAAC Regions
Author	
Publication_Name	Energy OnLine
Reference	http://www.energyonline.com/reports/reportsLCG2.asp
Abstract	As the volume of electricity traded in a competitive market environment increases, the volatility of electricity follows suit, and the premium paid for price security is likely to increase. These factors have a direct implication on the value of utility's generation resources. LCG consulting has taken the initiative to make available useful subscription-based information on electricity price forecasts to utilities, power marketers, buyers and others. These forecasts are provided at various levels (daily, weekly, monthly, yearly) for the different companies & zones in the WSCC, ERCOT, MAIN, ECAR, NPCC, FRCC, SPP, SERC, MAPP and MAAC regions. The futures price index is the weighted average price of megawatt hour and the index is quoted in dollars per megawatt hour.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Report
Title	Distributed Energy and Air Emissions: A Wild Card for the Distributed Energy Market
Author	
Publication_Name	PRIMEN
Reference	http://www.primen.com/index.asp
Abstract	Environmental regulations will shape markets for distributed energy for several years to come. As perceptic an energy supply crisis sharpen, many utilities, state authorities, and entrepreneurs seek to use distributed energy units — and especially existing diesel generators — to boost electric generating capacity during sup crunches. These efforts have led some regulators to ease emission requirements and allow units permitted emergency generators to run more often and during preblackout conditions.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Distributed Generation: Technologies, Opportunities, and Participants - 1st Edition
Author	
Publication_Name	Energy Info Source
Reference	http://www.energyinfosource.com/products/product.cfm?report_ID=7
Abstract	The 1st Edition - This report is designed to assist individuals in understanding and evaluating distributed generation (DG). DG refers to different power-generating technologies --varying by efficiency, size, cost, a application-- operating close to the point of consumption. In this report we have generally focused on techn and applications of less than 1MW.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation: Technologies, Opportunities, and Participants - 3rd Edition
Author	
Publication_Name	Energy Info Source
Reference	http://www.energyinfosource.com/products/product.cfm?report_ID=7
Abstract	The 3rd Edition of Energy Info Source's Distributed Generation: Technologies, Opportunities, and Participant Report is a comprehensive 135-page study of the Distributed Generation (DG) industry. The report takes a v ranging look at the current and future state of DG and both individually and collectively addresses the technologies of Microturbines, Reciprocating Engines, Stirling Engines, Fuel Cells, Photovoltaics, Concentrati Solar, and Wind. The report comes in Adobe Acrobat PDF format and is available via email, CD Rom or Hardcopy for \$799.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>
Title	Fuel Cell Report to Congress - February 2003
Author	
Publication_Name	Energy Efficiency and Renewable Energy
Reference	http://www.eere.energy.gov/hydrogenandfuelcells/pdfs/fc_report_congress_feb2003.pdf
Abstract	Congress has asked the Department of Energy (DOE) to prepare two reports describing the status of fuel c The Interior & Related Agencies Appropriations Conference Report (House Report 107-234) that accompani Public Law 107-63, enacted in November 2001, requests that the Department report within 12 months to the House and Senate Committees on Appropriations on the technical and economic barriers to the use of fuel c in transportation, portable power, stationary, and distributed power generation applications. It also requests the Department provide, within six months after enactment, an interim assessment that describes preliminar findings about the need for public-private cooperative programs to demonstrate the use of fuel cells in commercial-scale applications by 2012. The aim of this report is to respond to these requests.
	Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Tuesday, March 18, 2003

Item_Type	Report
Title	Making Connections Case Studies of Interconnection Barriers
Author	R. Brent Alderfer, M. Monika Eldridge, Thomas J. Starrs
Publication_Name	National Renewable Energy Laboratory
Reference	http://www.nrel.gov/docs/fy00osti/28053.pdf
Abstract	<p>Today there is growing interest in distributed electricity generation, particularly onsite generation. This interest is stimulated by the reliability, power quality, and environmental needs of business and homeowners, as well as the availability of more efficient, environmentally-friendly, modular electric generation technologies, such as microturbines, fuel cells, photovoltaics, and small wind turbines.</p> <p>This report documents the difficulties faced by distributed generation projects seeking to connect with the electricity grid. The distributed generation industry has told us that removing these barriers is their highest priority. The case studies treated in this report clearly demonstrate that these barriers are real. They are, in an artifact of the present electricity industry institutional and regulatory structure which was designed for a vertically integrated utility industry relying on large central station generation.</p>
Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	Performance and Cost Trajectories of Clean Distributed Generation Technologies
Author	Energy Nexus Group
Publication_Name	Energy Nexus Group
Reference	http://www.ef.org/documents/Distributed_Generation.pdf
Abstract	<p>The Energy Foundation, with support from the Pew Charitable Trusts, is managing the Clean Distributed Generation Initiative, a national effort to ensure that new distributed generation (DG) installations bring clean benefits. The Energy Foundation engaged the Energy Nexus Group to assess the cost trajectories and emission controls for distributed generation, and the factors - from economics of manufacture to technology breakthroughs - that will drive technology performance. The study estimates the range of future costs for technologies designed to meet the air emission standard described in the California Air Resources Board certification regulation</p>
Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	Power Technologies Databook
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/analysis/power_databook/
Abstract	<p>1.0 Program Profiles 2.0 Technology Profiles 3.0 Electricity Restructuring 4.0 Electricity Forecasts 5.0 Electricity Supply 6.0 Electricity Capability 7.0 Electricity Generation 8.0 Electricity Demand 9.0 Prices 10.0 Economic Indicators 11.0 Environmental Indicators 12.0 Conversion Factors 13.0 Congressional Questions & Answers</p>
Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	

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Item_Type

Report

Title Prospects for Adequate Supply of Ultra Low Sulfur Diesel Fuel in the Transition Period

Author

Publication_Name A MathPro report from Autoalliance web site. February 26, 2002 (pdf)

Reference http://www.autoalliance.org/ulsd_study.pdf

Abstract Economic study on the supply availability of ultra low sulfur diesel fuel commissioned by the Alliance of Automobile Manufacturers and the Engine Manufacturers Association.

Rating: 5 **Available Electronically.** ☒ **Fee Required.** ☐

Title State Electricity Regulatory Policy and Distributed Resources Distribution System Cost Methodologies for Distributed Generation

Author W. Shirley, R. Cowart, R. Sedano, F. Weston, C. Harrington, and D. Moskovitz

Publication_Name National Renewable Energy Laboratory

Reference <http://www.nrel.gov/docs/fy03osti/32500.pdf>

Abstract The increased availability and decreasing costs of distributed resources (DR), or small-scale generation and efficiency resources, present new challenges in the regulation of distribution utilities. A key requirement in assessing DR is a working understanding of the cost of distribution systems and of the alternative costs that might be incurred or avoided in the absence or presence of DR. Because many of the choices to install DR will be largely decentralized, every effort should be made to reveal these costs to as many of the stakeholders as possible, including distribution utilities, customers, DR purveyors, Independent System Operators (ISOs) and system planners. It is equally important to reveal these costs to regulators who are in the position to see the picture and develop appropriate policies for encouraging or discouraging DR, as necessary.

Rating: 5 **Available Electronically.** ☒ **Fee Required.** ☐

Title Stationary Fuel Cells: Is the Glass Half Empty or Half Full?

Author Nicholas Lenssen, Dana Blum

Publication_Name PRIMEN

Reference <http://www.primen.com/index.asp>

Abstract Two years ago, fuel cells were the darlings of Wall Street investors and seemed to be poised for widespread commercial introduction. But midway through 2002, most fuel cell companies are still struggling to launch the initial commercial products, resulting in growing skepticism from investors and a consolidation of the industry. Share prices for publicly owned, dedicated fuel cell companies are at or near 52-week lows, and there's a big sense that this time may not be different for fuel cells in their nearly 170-year history of trying to break into commercial markets.

Rating: 5 **Available Electronically.** ☒ **Fee Required.** ☒

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Item_Type	Report
Title	Survey of Low-Sulfur Diesel Fuels and Aviation Kerosenes From U.S. Military Installations.
Author	Westbrook, S. R.; LePera, M. E.
Publication_Name	SOUTHWEST RESEARCH INST SAN ANTONIO TX TARDEC FUELS AND LUBRICANTS RESEARCH FACILITY
Reference	http://stinet.dtic.mil/cgi-bin/fulcrum_main.pl?database=ft_u2&searchid=104214640224529&keyfieldvalue=ADA366036&filename=%2Fdata%2FTR_fulltext%2Fdoc%2FADA366036.pdf
Abstract	<p>In support of the Department of Defense goal to streamline procurements, the Army recently decided to discontinue use of VV-F-800D as the purchase specification for diesel fuel being supplied to continental United States military installations. The Army will instead issue a commercial item description for direct fuel delivery under the Post/Camp/Station (PCS) contract bulletin program. In parallel, the Defense Fuel Supply Center (DFSC) and the U.S. Army Mobility Technology Center-Belvoir (MTCB at Ft Belvoir, VA) initiated a fuel survey to assess the general quality and lubricity characteristics of low sulfur diesel fuels being supplied to military installations under the PCS system. Under this project, diesel fuel delivery samples were obtained from selected military installations and analyzed according to a predetermined protocol. The results obtained from various show that the average, low-sulfur diesel fuel meets military requirements for DF-2 with the exception of lubricity performance. Proposed fuel lubricity requirements for military, ground-vehicle, diesel fuels are presented.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	The Impact of Air Quality Regulations on Distributed Generation
Author	Joel Bluestein, Susan Horgan, M. Monika Eldridge
Publication_Name	National Renewable Energy Laboratory
Reference	http://www.nrel.gov/docs/fy03osti/31772.pdf
Abstract	<p>Relatively small projects for generating electrical power at or near the point of use-distributed generation (DG) offer unique opportunities for enhancing the U.S. electric system. This report finds that current air quality regulatory practices are inappropriately inhibiting the development of DG through a failure to recognize the environmental benefits offered by DG or by imposing requirements designed for larger systems that are not appropriate to DG systems. The report recommends that air quality regulation be made more efficient and appropriate for DG by establishing national standards for DG equipment. This report also recommends that DG projects be evaluated on a "net" emissions basis by being given credit for any emission sources that they displace. Air quality regulation should also recognize and account for the benefits of combined heat and power (CHP).</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	The New Economic Landscape for Distributed Energy
Author	Jim Fay, Michael Casey
Publication_Name	PRIMEN
Reference	http://www.primen.com/index.asp
Abstract	<p>The restructuring of the North American electric power industry continues to affect how distributed energy developers determine their projects' economic competitiveness. The combination of wholesale power market opening up and retail energy users' new options for responding to wholesale power price signals is likely to lead to economic decisions about installing DE and choosing DE applications.</p> <p>Rating: 5 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/></p>

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Item_Type	Report
Title	A National Vision of America's Transition to Hydrogen Economy - To 2030 and Beyond
Author	
Publication_Name	DOE
Reference	http://www.eere.energy.gov/hydrogenandfuelcells/pdfs/vision_doc.pdf
Abstract	<p>On November 15-16, 2001, 53 senior executives representing energy and transportation industries, universities, environmental organizations, Federal and State government agencies, and National Laboratories met to discuss the potential role for hydrogen systems in America's energy future. (A list of the participants can be found in appendix.) The intent of the meeting was to identify a common vision of the "hydrogen economy," the time frame in which such a vision could be expected to occur, and the key milestones that would need to be accomplished to get there.</p> <p>Based on the ideas and suggestions put forth by the participants during the meeting, this document presents a national vision for hydrogen to become a premier energy carrier, like electricity, for Americans. It will be used by various stakeholders including industry, policy makers, and researchers as the coordinating foundation for formulating future actions leading to a hydrogen economy. The meeting proceedings, which include the presentations and summaries of the notes from the facilitated breakout sessions, can be downloaded at www.eren.doe.gov/hydrogen.</p>
Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	Annual Technical Status Report of The Regulatory Assistance Project
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/32733.pdf
Abstract	<p>The objectives of RAP's work in this contract year were to develop regulatory policy options that would reduce institutional and infrastructure barriers to full-value deployment of distributed power systems. There are several players in the electricity industry who could and should be able to realize the economic benefits of DR: customers, distribution utilities, DR vendors, wholesale market participants, and, of course, regulators. Because existing regulatory systems often do not allow these benefits to be realized, many who could benefit from using DR are either unaware of those potential benefits or, worse, would actually experience economic penalty if DR is deployed. Policies are needed that can establish costs and price signals that will reveal the value of DR to the party most likely to deploy it. Regulation should provide the right incentives to reward the entity in the best position to deploy the DR.</p>
Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	California Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/diesel/documents/rrpFinal.pdf
Abstract	<p>Particulate matter emissions from diesel-fueled vehicles and engines are about 28,000 tons per year in California. These emissions come from a wide variety of sources including over one million on-road and off-road vehicles, about 16,000 stationary engines, and close to 50,000 portable engines. On-road engines account for about 66 percent of the emissions, off-road engines about 66 percent, with the remaining 7 percent from stationary and portable engines. With full implementation of the current vehicle standards on the books and vehicle turnover, diesel particulate matter (diesel PM) will still be about 22,000 tons per year in 2010 and about 19,000 tons per year in 2020.</p>
Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	

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Item_Type	Report
Title	Costing Methodology for Electric Distribution System Planning
Author	Karl E. Knapp, Jennifer Martin, Snuller Price, Frederick M. Gordon
Publication_Name	Energy & Environmental Economics, Inc. and Pacific Energy Associates
Reference	http://www.ef.org/documents/CostMethod.pdf
Abstract	This report has been prepared for regulators, policymakers, utility managers, distribution planners and engineers. It describes how utilities currently evaluate Distributed Resources (DR) in planning for capital investments in distribution facilities, and suggests a pathway for enhancement of how DR is considered. DR consists of load, energy efficiency, load management, or generation. These resources can sometimes delay or eliminate the need for new distribution power lines, substations, and other equipment, at significant cost savings to the utility and its consumers.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Diesel Emission Control - Sulfur Effects (DECSE) Summary of Reports
Author	National Renewable Energy Laboratory
Publication_Name	
Reference	http://www.ott.doe.gov/decse/pdfs/decse_summary_reports.pdf
Abstract	Produced for the U.S. Department of Energy (DOE) by the National Renewable Energy Laboratory (NREL), a DOE national laboratory. This summary describes a government and industry cost-shared project to determine the impact of fuel sulfur levels on emission control systems that could be used to lower emissions of nitrogen oxides (NOx) and particulate matter (PM) from compression ignition, direct injection (CID) diesel-cycle vehicles. The sulfur in diesel fuel adversely affects the operation of diesel exhaust emission control systems. Tests were conducted and data were collected and analyzed for various combinations of fuel sulfur levels, engines, and exhaust emission control systems.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Distributed Generation: A Utility Perspective
Author	
Publication_Name	Newton-Evans Research Company, Inc.
Reference	http://www.newton-evans.com/reports/DistributedGeneration.asp
Abstract	If you need answers to these questions, this 2002 report series is a must for your market and business plan: How is the utility market for DG programs shaping up? What is the outlook for the utility-involved DG market by year-end 2003? Which utilities will be offering a DG program for their customers? What criteria have utilities established for DG accounts? Will utilities purchase DG equipment for customers and provide integration services? Who will own the equipment? What are the principal types of DG equipment favored by utilities? Which fuels are being used with utility-favored DG equipment? How will DG sites be integrated with the distribution network? What are the major concerns utility officials have related to DG? What is the average cost per MWH used as a trigger point for dispatching DG? How will signaling of DG resources work? What is the impact of DG on the utility grid? On transient stability?
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Report
Title	Electricity Technology Roadmap Initiative 1999 Summary and Synthesis Report
Author	
Publication_Name	EPRI
Reference	http://www.epri.com/corporate/discover_epri/roadmap/CI-112677-V1_all.pdf
Abstract	<p>The Electricity Technology Roadmap Initiative is an ongoing collaborative exploration of the opportunities and threats for electricity-based innovation over the next 25 years and beyond. Thus far, over 150 organization participated with EPRI and its members in shaping a comprehensive vision of the opportunities to increase electricity's value to society. This vision is being translated into a set of technology development destination: the R&D pathways to reach these destinations. EPRI is leading this ongoing roadmapping effort as an invest in the future, and as guidance for strengthening the value of public and private R&D investment.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EPA's Nonroad Engine Emissions Control Programs
Author	
Publication_Name	
Reference	http://www.epa.gov/otaq/regs/nonroad/f99001.pdf
Abstract	<p>In response to environmental and public health concerns, the U.S. Environmental Protection Agency (EPA) has established emission standards for several nonroad engine categories. The categories of nonroad engines currently being addressed by EPA cover a variety of applications, including farm and construction equipment, lawn and garden equipment, marine vessels, and locomotives. As a whole, EPA's nonroad programs will significantly reduce the impact of nonroad equipment on the nation's air quality.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Evaluation of the Effects of Biodiesel Fuel on Emissions from Heavy-Duty Non-Road Vehicles
Author	Thomas D. Durbin John R. Collins Hugo Galdamez Joseph M. Norbeck Matthew R. Smith Ryan D. Wilson Ted Younglove
Publication_Name	Center for Environmental Research and Technology College of Engineering University of California
Reference	http://www.cert.ucr.edu/research/pubs/00-VE-20904-004-FR.pdf
Abstract	<p>Construction applications could provide an important niche for biodiesel. Construction applications often require large quantities of fuel at remote sites where fueling infrastructure for some other alternative fuels, such as natural gas, is nearly impossible. The present project was a pilot study to evaluate the potential effectiveness of biodiesel in reducing emissions from offroad vehicles. For this program, opacity measurements were conducted on 4 off-road vehicles operated on a California in-use diesel fuel, and a blend of 20% biodiesel (B20) and 30% biodiesel (B30) with this fuel. This study was conducted at the Colton landfill site in Colton, CA. An additional aspect of this program was to evaluate available technologies for measuring emissions from construction off-road vehicles.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Report
Title	Fuel Cell Industry Competitive Analysis Defining the Strategies of Fuel Cell Industry Players
Author	
Publication_Name	ABI
Reference	http://www.alliedworld.com/servlets/ResearchDetails?productid=FCIP
Abstract	<p>The fuel cell industry has been growing at a rapid pace, with new faces joining the sector every day. Fuel cells have the potential to change the entire infrastructure of the world's energy industry. ABI carefully selected 10 companies for this research, from industry leaders to newcomers with the potential to change the industry dynamics in coming years. The companies are analyzed from technological and strategic perspectives in relation to their progress in automotive, stationary and portable applications. The study assesses the companies' strategic alliances and their potential impact on the fuel cell industry. The major market forecasts are also included, in order to give the reader a more complete view of the industry.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/></p>
Title	Global Stationary Fuel Cell Markets
Author	
Publication_Name	ABI
Reference	http://www.alliedworld.com/servlets/ResearchDetails?productid=FCM
Abstract	<p>Participation in the stationary fuel cell industry has especially increased in the last two years, with a wide range of companies from different industries now involved. Rapid industry changes have affected market dynamics. In particular, the needs and challenges of developing the future global energy infrastructure have changed. Hence, the update of ABI's flagship energy study has been done with a keen eye on the competitive level of technology and developers' execution plans. Strategies of fuel cell developers are examined within the context of their targeted market segments, ranging from reliable power to the microgenerator market in underdeveloped island markets. The study includes quantitative forecasts from quality power to wastewater treatment plants, and from residential buildings to telecommunications relay towers. Markets are identified that show a significant potential for expansion due to the regional characteristics of countries over the next ten years. The relative importance of price of power is explored. The potential for different technologies to penetrate a number of markets that are not price sensitive is analyzed.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/></p>
Title	HEAVY-DUTY TRUCKS EMISSION FACTORS DEVELOPMENT
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/msei/on-road/downloads/tsd/hdt_emissions_new.pdf
Abstract	<p>This section outlines the development of chassis dynamometer test based emission factors for heavy-duty trucks (HDDT). In the MVEI7G model, heavy-duty truck emissions were based on testing various engines on engine dynamometer rather than testing the entire vehicle on a chassis dynamometer. Basic emission rates derived from emissions test data collected during HDDT engine certification using the USEPA's heavy-duty engine transient cycle. Emissions from engine testing are expressed as grams per brake horsepower-hour, must be converted to grams per mile units for use in the emissions inventory models.</p> <p>Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type	Report
Title	National Hydrogen Energy Roadmap
Author	
Publication_Name	DOE
Reference	http://www.eere.energy.gov/hydrogenandfuelcells/pdfs/national_h2_roadmap.pdf
Abstract	<p>An energy economy based on hydrogen could resolve growing concerns about America's energy supply, air pollution, and greenhouse gas emissions. Hydrogen offers the long-term potential for an energy system that produces near-zero emissions and is based on domestically available resources. Before hydrogen can achieve its promise, however, stakeholders must work together to overcome an array of technical, economic, and institutional challenges.</p> <p>Hydrogen has the potential to play a major role in America's future energy system. This Roadmap outlines key issues and challenges in hydrogen energy development and suggests paths that government and industry can take to expand use of hydrogen-based energy.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Non-Technical Barriers to the Commercialization of PV Power Systems in the Built Environment
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/31976.pdf
Abstract	<p>Building-integrated photovoltaics (BIPV) requires institutional support to become a viable technology and a sustainable solution. Between 1990 and 2000, the solar industry demonstrated the viability of BIPV technology by installing hundreds of thousands of successful systems around the world. Architects have created award-winning, elegant solar buildings. Utility companies and municipalities have adopted this technology to augment their infrastructure and electricity services network. The potential for BIPV is widely recognized as significant; however, institutional barriers can slow its deployment.</p> <p>Our research emphasizes institutional issues related to introducing and commercializing photovoltaic (PV) power systems in the built environment.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Releasing the Potential of Distributed Energy
Author	
Publication_Name	PRIMEN
Reference	http://www.primen.com/index.asp
Abstract	<p>In June and July 2002, Primen completed 600 interviews with North American businesses ranging in size from 300 kW to 10 MW, including 78 Canadian establishments. (See "Sample Design" on page 3 for information about the sectors queried.) We also held 30 in-depth interviews with energy users, including 10 with users who were queried in our 2001 study.</p> <p>Selected highlights from this major research study are listed below; the complete report provides a detailed analysis on today's market for distributed energy. For more information, please read the report prospectus and survey instrument.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input checked="" type="checkbox"/>

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Item_Type	Report
Title	Scenarios for a Clean Energy Future
Author	Marilyn A. Brown et al
Publication_Name	Office of Energy Efficiency and Renewable Energy
Reference	http://www.ornl.gov/ORNL/Energy_Eff/CEF.htm
Abstract	<p>This report, Scenarios for a Clean Energy Future, was commissioned by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy. It was produced by the Interlaboratory Working Group, composed of scientists from Argonne National Laboratory, Lawrence Berkeley National Laboratory, the National Renewable Energy Laboratory, Oak Ridge National Laboratory, and Pacific Northwest National Laboratory. The report seeks to develop a better understanding of the potential for R&D programs and public policies to foster clean energy technology solutions to the energy and environmental challenges facing the nation. These challenges include global climate change, air pollution, oil dependence, and inefficiencies in the production and use of energy. The study uses a scenario-based approach to examine alternative portfolios of public policies and technologies. The policies were selected by the authors through a dialogue with numerous representatives from the private sector, non-profit organizations, universities, and government. These policies range from expansions of long-existing programs to new policies, some of which are clearly controversial.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Shades of Green: Public Power's Environmental Profile
Author	Evan Pickford
Publication_Name	American Public Power Association's (APPA) DEED (Demonstration of Energy-Efficient Developments)
Reference	http://www.appanet.org/pdfreq.cfm?PATH_INFO=/Newsroom/releases/Shades_of_Green.pdf&VARACTION=O
Abstract	<p>This study was undertaken to determine public power's "green" profile. The term "green energy" is not a scientific one, rather it is part of the popular lexicon used to describe energy production and conservation measures that minimize threats to air quality. Because they are locally owned and operated, public power utilities are closer and more responsive to their customer-owners. Public power utilities have long held themselves to be more environmentally responsible than private power companies and rural electric cooperatives. This analysis supports that claim. This report compares the air quality record of public power with that of rural electric cooperatives (coops) and investor-owned utilities (IOUs).</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Shadows in the Western Sky Impacts of Federal Multi-Pollutant Policy Proposals on Western Air Quality
Author	
Publication_Name	Energy Foundation
Reference	http://www.ef.org/documents/shadow_final.pdf
Abstract	<p>This report analyzes the Bush Administration's Clear Skies Initiative (CSI) using computer modeling typically employed by the U.S. EPA, but with more realistic assumptions than EPA uses. The analysis finds that: The CSI proposal does not result in the maximum cost-effective NOx controls in the West. A rigorous regional western SO2 cap is needed to protect western air quality. Mercury control costs will be lower than expected if a firm, well-designed western SO2 cap is in place. The emission limitations for new coal-fired plants under CSI are much less protective than recent Best Available Control Technology determinations in the West under the New Source Review program. Broader penetration of new wind generation as an alternative to increased reliance on fossil-fuel power in the West is economically viable and could yield important air quality benefits. In short, the CSI is not now structured to adequately protect the West's air quality and public health.</p>
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Report
Title	Siting Power Plants: Recent Experience in California and Best Practices in Other States
Author	
Publication_Name	Energy Foundation
Reference	http://www.ef.org/documents/Siting_Report.pdf
Abstract	The research included a review of the laws, executive orders, rules, and procedures governing the California Energy Commission's (CEC's) traditional 12-month siting process, and the special expedited review process the CEC adopted to allow for 6-month, 4-month, and 21-day reviews for certain types of power plant proposals. The study encompassed a number of interviews with California state agency representatives, developers and process intervenors, and surveyed plant siting practices in California and other states.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Smaller, Closer, Dirtier Diesel Backup Generators In California
Author	Nancy E. Ryan, Kate M. Larsen, Peter C. Black
Publication_Name	Environmental Defense
Reference	http://www.environmentaldefense.org/pdf.cfm?ContentID=2272&FileName=BUGsreport.pdf
Abstract	Late one Thursday afternoon in March, a massive power outage darkened much of the University of California Berkeley campus. Classes ended abruptly, students were herded out of darkened dormitories, and the campus server went down. But the lights did not stay off everywhere on campus. Tucked away in basements and in buildings was a secret weapon, 40 backup generators or BUGs, 29 of them diesel-fired. During the blackout, but one were switched on to protect sensitive laboratory experiments, power dining facilities, and light hall. Their service came at a steep cost, however. Toxic diesel exhaust from the Berkeley BUGs wafted across busy campus and into nearby residential and commercial areas. Alarmed to see plumes of smoke from exhaust outlets, several staff and students dialed 911.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	State Electricity Regulatory Policy and Distributed Resources: Distributed Resource Distribution Credit Pilot Programs — Revealing the Value to Consumers and Vendors
Author	
Publication_Name	NREL
Reference	http://www.nrel.gov/docs/fy03osti/32499.pdf
Abstract	The purpose of this report is to describe implementation options for two concepts: deaveraged distribution and distributed resource development zones. The concepts are closely related, and both were first described in Profits and Progress Through Distributed Resources, which was published by the National Association of Regulatory Utility Commissioners in February 2000. We believe that developing workable programs implementing these policies can dramatically increase the deployment of distributed resources in ways that benefit distributed resource vendors, users, and distribution utilities.
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Status of State Electric Industry Restructuring Activity
Author	
Publication_Name	
Reference	http://www.eia.doe.gov/cneaf/electricity/chg_str/tab5rev.html
Abstract	Status of State Electric Industry Restructuring Activity -- as of December 2002 -- (Next release of data on January 1, 2003)
	Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Report
Title	The Internet Economy and Global Warming
Author	Joseph Romm
Publication_Name	Cool-Companies
Reference	http://www.cool-companies.org/energy/ecommm.doc
Abstract	<p>The Internet and the New Economy are producing more than just a business revolution: They are also generating enormous energy and environmental savings. In making business more efficient, information technology is reducing the energy and materials needed for each dollar of output - often dramatically - and increasing overall productivity, the Internet stands to revolutionize the relation between economic growth and the environment. Increasingly, the Net itself is being used to manage energy use directly.</p> <p>Using Energy Department data, the Center for Energy & Climate Solutions has demonstrated both direct and indirect energy savings, and shown that US energy demand growth has slowed substantially since the start of the Internet boom.</p> <p>The findings debunk an all-too-common myth that the Internet is the cause for rising energy demand in the U.S. To the contrary, they believe demand would be much higher without Internet savings.</p>
Rating: 4 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	California Emission Model Overview
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/msei/on-road/downloads/tsd/overview.pdf
Abstract	<p>Staff previously estimated on-road motor vehicle emissions using a series of computer models called the MVEI models. The following discussion provides an overview of the emission estimating process and the computer models used. Although some technical detail is included, this discussion is intended to provide more of a qualitative understanding of the overall process. For a more comprehensive discussion of the workings of the MVEI7G model, documentation is available in "Methodology for Estimating Emissions from On-Road Motor Vehicles (Volumes 1-6), and Derivation of Emission and Correction Factors for MVEI7G." These documents are available on the ARB's Web Page at: http://www.arb.ca.gov/msei/mvei/mvei.htm.</p>
Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	
Title	California's Proposed Regulation Order Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/msprog/mailouts/msc0202/msc0202att1.pdf
Abstract	<p>These procedures apply to in-use strategies to control emissions of particulate matter (PM) and oxides of nitrogen (NOx) from diesel-fueled diesel engines. Strategies to be evaluated by these procedures include but are not limited to, diesel particulate filters, diesel oxidation catalysts, fuel additives, selective catalytic reduction systems, exhaust gas recirculation systems, and alternative diesel fuels.</p>
Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>	

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Item_Type	Report
Title	Comparison of Emissions for Medium-Duty Diesel Trucks Operated on California In-Use Diesel, ARCO's EC-Diesel, and ARCO EC-Diesel with a Diesel Particulate Filter
Author	Thomas D. Durbin Joseph M. Norbeck
Publication_Name	Center for Environmental Research and Technology College of Engineering University of California
Reference	http://www.cert.ucr.edu/research/pubs/59981-final-r1.pdf
Abstract	Chassis dynamometer emissions tests were performed on light-heavy-duty diesel pickup trucks as part of the ARCO Emissions Control Diesel (ECD) demonstration program. Vehicles were tested over the light-duty Federal Test Procedure (FTP) to compare emissions for different fuel/aftertreatment configurations including: ARCO ECD and ECD-1 with an Engelhard DPX filter (DPX), ECD only, and in-use California reformulated diesel (CARB) fuel only.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Demand-Side Resources and Regional Power Markets: A Roadmap for FERC
Author	Richard Cowart
Publication_Name	RTO Futures: Regional Power Working Group
Reference	http://www.raponline.org/Pubs/General/FERCroadmap.pdf
Abstract	Customer-controlled resources can play a crucial role in creating efficient regional power markets, lowering volatility and generator market power, disciplining power costs, and improving reliability. Participants in the RTO Futures process have asked for a "roadmap" of actions that FERC could take to advance development of these resources. This white paper sets out that roadmap and sets the stage for discussion by RTO Futures members and their advisors.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Development of a Diesel Fuel Cell Truck--Phase I
Author	Norbeck, J.M.
Publication_Name	Final Report to SunLine Services Group and U.S. Army Tank-Automotive and Armaments Command, 00-AV-59876-022-FR
Reference	http://www.cert.ucr.edu/research/project.asp?project=1
Abstract	To simplify logistics, all Army ground and air vehicles in combat areas use one fuel, a heavy diesel/jet fuel. The Army has a strong interest, however, in the use of fuel cells for future ground vehicles because of their quiet operation and high efficiency. Most fuel cells need pure hydrogen to operate effectively, and it is difficult to produce hydrogen from diesel fuel. In this project, CE-CERT worked with Hydrogen Burner Technology Inc. and ISE Research to convert a heavy-duty tractor-trailer "SuperBus" rig to electric drive and outfit it with a fuel reformer capable of producing usable hydrogen from diesel fuel. SunLine Services Group and SunLine Transit provided the vehicle and tested it in transit service. Georgetown University provided technical analysis and support, and the College of the Desert developed training programs for technician support of advanced-technology vehicles in the field.
	Rating: 3 Available Electronically. <input type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Report
Title	Effects of Diesel-Water Emulsion Combustion on Diesel Engine NOx Emissions
Author	Canfield, Alan C
Publication_Name	APPLIED RESEARCH ASSOCIATES INC PANAMA CITY FL
Reference	http://stinet.dtic.mil/cgi-bin/fulcrum_main.pl?database=ft_u2&searchid=104214441512143&keyfieldvalue=ADA366907&filename=%2Fcrum%2Fdata%2FTR_fulltext%2Fdoc%2FADA366907.pdf
Abstract	<p>This study examines the effects of combusting a mixture of diesel fuel, water, and surfactant on the nitroge oxides (NOx) emissions from a compression ignition diesel engine. Extensive previous research in the literat has attributed the observed reduction of nitrogen oxide emissions to a suppression of flame temperature du quenching effects from the water, thereby reducing thermal NOx formation. The report highlights the releva theory, operation, and design parameters of diesel internal combustion engines. Experimental procedures conducted using a Detroit Diesel 4-cylinder diesel engine are discussed. Results from testing diesel fuel witl varying ratios of water balanced with a surfactant to stabilize the emulsion are presented and discussed. T data shows significant NOx emission reduction with up to 45 percent water, by volume, in the fuel. These r are correlated with thermodynamic first law and equilibrium combustion products analyses to estimate the adiabatic flame temperature of the standard fuel and fuel-water emulsion cases. Results indicate that therm NOx is indeed reduced by quenching and flame temperature suppression, confirming reports in the literature. Recommendations are given for further studies, including improving the fuel- water emulsion and considera for long-term testing.</p>
	<p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Evaluating Diesel Particulate Trap Technology at Noranda - Brunswick Mining Division
Author	
Publication_Name	
Reference	http://www.deep.org/reports/41_prop.pdf
Abstract	<p>This project will investigate the effectiveness and reliability of state-of-the-art Diesel Particulate Filter Syster (DPFs) in Canadian hard rock mining environments. By using these systems, European mining and tunnelling operations have met roughly similar DPM PELs as the Diesel Emissions Evaluation Program (DEEP) would nc like to demonstrate (0.05 to 0.15 mg DPM/m3).</p> <p>This is one of two complementary research proposals for projects that will take place at Noranda Mining - Brunswick Mining Division and INCO - Stobie Mine over a period of 18 months. DEEP, INCO, Noranda, and the manufacturers of DPFs and diesel engines will provide cash and in-kind contributions. By hosting the projec two separate mining companies the burden of in-kind contributions, as well as the knowledge and experien gained, can be shared. Four to five production vehicles will be tested at each mine. These vehicles will be equipped with particulate traps with different regeneration technologies as well as duty cycle logging instrumentation. Brunswick Mine will conduct measurements which will be in addition to those done at INCO.</p>
	<p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>
Title	Fuel Cell Handbook Fourth Edition
Author	J.H. Hirschenhofer, D.B. Stauffer, R.R. Engleman, and M.G. Klett
Publication_Name	Parsons Corporation
Reference	http://www.fuelcells.org/library/FCHandbook.pdf
Abstract	<p>Robust progress has been made in fuel cell technology since the previous edition of the Fuel Cell Handbook published in January 1994. Uppermost, polymer electrolyte fuel cells, molten carbonate fuel cells, and solid c fuel cells have been demonstrated at commercial size in power plants. The previously demonstrated phospl acid fuel cells have entered the marketplace with approximately 185 power plants ordered. Highlighting this commercial entry, the phosphoric acid power plant fleet has demonstrated 95+% availability and several uni have passed 40,000 hours of operation.</p>
	<p>Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/></p>

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Item_Type

Report

Title Hydrogen, Fuel Cells, and Infrastructure Technologies Program Education Plan Workshop Proceedings

Author

Publication_Name Energy Efficiency and Renewable Energy

Reference http://www.eere.energy.gov/hydrogenandfuelcells/pdfs/education_workshop_2002.pdf

Abstract In early 2002, participants in the National Hydrogen Energy Roadmap Workshop and Fuel Cell Report to Congress Workshop determined that education, in particular, is an appropriate and integral role for the Federal government to play in promoting hydrogen technologies. Federal, state, and local governments, as well as academic, industry, and trade organizations have funded continue to support numerous hydrogen and fuel cell education efforts. These efforts span a wide range of activities and are intended to reach a variety of audiences. Activities in schools, for example, range from distributing toys to middle school students to offering engineering curricula to graduate students. Other efforts for the general public or targeted stakeholder groups have included, but are not limited to, multi-media exhibits and presentations, websites, documentary films, training centers, demonstration programs, and newsletters. A detailed list of organizations and their products and activities is included in the appendix to this report.

Rating: 3

Available Electronically. ☒

Fee Required. ☐

Title Microturbines A Market Update and Outlook

Author Nicholas Lenssen

Publication_Name PRIMEN

Reference <http://www.primen.com/index.asp>

Abstract Rapid growth of microturbine shipments occurred in 2000, but will the upsurge continue in 2001? Primen believes that the outlook is good over the next year and beyond, though not without some potential bumps in the road.

Rating: 3

Available Electronically. ☒

Fee Required. ☒

Title Mobile Source Emissions New Generation Model: Using A Hybrid Database Prediction Technique

Author Matthew Barth, Principal Investigator Theodore Younglove, Co-Principal Investigator

Publication_Name College of Engineering-Center for Environmental Research and Technology
University of California

Reference http://www.cert.ucr.edu/research/pubs/NGM_Final_Report.pdf

Abstract The U.S. Environmental Protection Agency (EPA) is developing a New Generation Model (NGM) to more accurately predict in-use vehicle emissions at the micro-, meso-, and macro-scales. One of the characteristics of the NGM is that it should be able to predict emissions based on data collected from in-use vehicles under actual operating conditions. By contrast, today's regulatory models are based primarily on data only from dynamometer laboratories. This report describes activities conducted by the University of California, Riverside, College of Engineering-Center for Environmental Research and Technology (CE-CERT) under a data analysis "shootout" conducted by the EPA. EPA provided driving and emissions data from twelve spark ignition (SI) light-duty vehicles (LDVs), twelve compression ignition (CI) heavy-duty vehicles (HDDVs), and three CI off-road vehicles. The data were collected using the EPA's new Portable Emissions Measurement System (PEMS). Using these data, CE-CERT's objective was to estimate emissions from three similar vehicles under actual operating conditions determined by EPA.

Rating: 3

Available Electronically. ☒

Fee Required. ☐

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Item_Type	Report
Title	National Environment Protection (Diesel Vehicle Emissions) Measure
Author	
Publication_Name	Environment Protection and Heritage Council
Reference	http://www.ephc.gov.au/pdf/diesel/Diesel_NEPM.pdf
Abstract	<p>Diesel vehicles make a disproportionately high contribution to NOx and particle air pollution from the transport sector. The diesel vehicle proportion of the transport fleet is increasing and this trend is expected to continue. Emissions from diesel vehicles have the potential to cause adverse health effects and detract from urban amenity.</p> <p>The National Environment Protection (Ambient Air Quality) Measure 1998 provides national air quality standards for six criteria pollutants. The criteria pollutants include PM10 and nitrogen dioxide, of which diesel vehicles are a significant emission source.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Changing Structure of the Electric Power Industry 2000: An Update
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/cneaf/electricity/chg_stru_update/update2000.pdf
Abstract	<p>The U.S. electric power industry, the last major regulated energy industry in the United States, is changing to more competitive. In some States, retail electricity customers can now choose their electricity company. New wholesale electricity trading markets, which were previously nonexistent, are now operating in many regions. The number of independent power producers and power marketers competing in these new retail markets has increased substantially over the past few years. To better support a competitive industry, the power transmission system is being reorganized from a balkanized system with many transmission system operators, to one where only a few organizations operate the system. However, the introduction of new markets has been far from seamless. California, where retail competition was introduced in 1998, has problems recently. Electricity prices in some parts of the State have tripled and there have been supply problems as well. Although not as severe as California, New York's electricity market has had price spikes which may be attributable to problems in the market design. While some observers argue that deregulation should be scrapped, others argue that deregulation is a noble endeavor and that these problems can be solved with structural adjustments to the markets.</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	The Transition to Ultra-Low-Sulfur Diesel Fuel: Effects on Prices and Supply
Author	
Publication_Name	EIA
Reference	http://www.eia.doe.gov/oiaf/servicrpt/ulsd/preface.html
Abstract	<p>In December 2000 the U.S. Environmental Protection Agency (EPA) issued a final rulemaking on Heavy-Duty Engine and Vehicle Standards and Highway Diesel Fuel Sulfur Control Requirements. The purpose of the rulemaking is to reduce emissions of nitrogen oxides and particulate matter from heavy-duty highway engine vehicles that use diesel fuel. The rulemaking requires new emissions standards for heavy-duty highway vehicles that will take effect in model year 2007. "The pollution emitted by diesel engines contributes greatly to our nation's continuing air quality problems," the EPA noted in its regulatory announcement. "Even with more stringent heavy-duty highway engine standards set to take effect in 2004, these engines will continue to emit large amounts of nitrogen oxides (NOx) and particulate matter (PM), both of which contribute to serious public health problems in the United States."</p>
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>

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Item_Type	Report
Title	ULS GASOLINE AND DIESEL REFINING STUDY
Author	Purvin and Gertz Inc
Publication_Name	EC, DG Environment. November 17, 2000 (pdf)
Reference	http://europa.eu.int/comm/environment/sulphur/uls.pdf
Abstract	A Purvin & Gertz study provides an analysis of investment requirements and operational changes required to move from 50 ppm sulfur gasoline and diesel to 10 ppm gasoline and diesel in the EU.
	Rating: 3 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	California's Diesel Risk Reduction Program Diesel Mobile Programs
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/diesel/mobile.htm
Abstract	The Air Resources Board (ARB or Board) identified particulate emissions from diesel-fueled engines (diesel as toxic air contaminants (TACs) in August 1998. Following the identification process, the ARB was required by law to determine if there is a need for further control, which moved us into the risk management phase of the program
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	EMFAC2002 Major Revisions Summary
Author	
Publication_Name	
Reference	http://www.arb.ca.gov/msei/on-road/latest_revisions.htm
Abstract	This page summarizes the major revisions associated with the development of EMFAC2002. Each major revision has a brief description, background information, resulting inventory effects, detailed technical documentation and a staff contact.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	Sunoco Transportation Fuels
Author	Helen M. Doherty
Publication_Name	SUNOCO
Reference	http://www.sunocoinc.com/market/transportation_fuels.htm
Abstract	There are many challenges for U.S. refiners to produce fuels that comply with environmental regulations and meet vehicle performance requirements. Refiners must also anticipate the fuel performance requirements for future vehicle technology. Below is a review of gasoline and diesel regulations and current vehicle/engine performance requirements as well as projected requirements for future technology.
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>
Title	WELL-TO-WHEEL EFFICIENCY For alternative fuels from natural gas or biomass
Author	Peter Ahlvik and Åke Brandberg, Ecotrafic R&D3 AB
Publication_Name	Ecotrafic R&D3 AB, October 2001
Reference	http://www.vv.se/publ_blank/bokhylla/miljo/2001_85/2001-85.pdf
Abstract	A report prepared for the Swedish National Road Administration. Diesel hybrids and fuel cell hybrids score highest in this comprehensive comparison of energy efficiency for a number of fuels and powertrain configurations
	Rating: 2 Available Electronically. <input checked="" type="checkbox"/> Fee Required. <input type="checkbox"/>